PB-216 110

DRINKING WATER QUALITY OF SELECTED INTERSTATE CARRIER WATER SUPPLIES, 1962 - 1963

Michael Spear

Public Health Service
Washington, D. C.

1965

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Drinking Water Quality of Selected Interstate Carrier Water Supplies

1962-1963

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service

169

PB 216 110

DRINKING WATER QUALITY

OF

SELECTED INTERSTATE CARRIER WATER SUPPLIES

1962 - 1963

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Division of Environmental Engineering and Food Protection
Washington, D.C. 20201

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FOREWORD

The drinking water quality of selected interstate carrier water supply sources was determined in a joint program conducted in 1960-1963 by municipalities, State health departments, and the Public Health Service. Samples of water were analyzed for organic chemicals, radiochemicals and trace elements and other determinations generally classed as sanitary chemical analyses. Samples were composited over a two-week period and were collected of finished water at points believed to be most representative of water consumed by residents of the community. The project consisted of taking two series of samples; the first, 1960-1961, was published in June 1963, and this publication gives the data on the second and final series.

The number of sources constituted about 15% of the Nation's interstate carrier water supply sources and about 0.7% of the total U.S. public drinking water supplies. The results are published herein after consultation with and authorization of both the municipal water works officials and the State health departments concerned. Recognition of this cooperative spirit is hereby made.

The results for each plant are presented in a standard manner, together with certain other distinguishing information. Where a figure does not appear opposite a water quality constituent, it was usually not obtained. Spectrographic and chemical results are expressed in mg/l.

Analytical work for sanitary chemical analyses was generally performed in State health departments and municipal water works laboratories. Carbon extract and spectrographic determinations were made in the Central Laboratory of the National Water Quality Network, operated by the Water Quality Section of the Basic Data Branch, Division of Water Supply & Pollution Control. Radiochemical analyses were done in the Southeastern and Southwestern Radiological Health Facilities of the Division of Radiological Health.

The project is under the direction of the Water Supply Section, Interstate Carrier Branch of the Division of Environmental Engineering and Food Protection, and this publication was prepared by Mr. Michael Spear of that Section.

Wesley E. Gilbertson

Wesley E. Gilbertson, Chief
Division of Environmental Engineering
and Food Protection

REGION ONE

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

CITY-HARTFORD (POP. 163,000) STATE-CONN 11010

OWNERSHIP METROPOLITAN DISTRICT COMMISSION

POPULATION SERVED 365 THOUSAND

RIVER BASIN (MAJOR) FARMINGTON (MINOR) CONNECTICUT

SOURCE IMPOUNDED RESERVOIRS RAW WATER CAPACITY RANGE 80 MI

TREATMENT FILTRATION & DISINFECTION

DESIGN CAPACITY 55 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/05 - 12/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0005	
BISMUTH (BI)	0.0000	
CADMIUM (CD)	0.0000	
CHROMIUM (CR)	0.0000	
COBALT (CO)	0.0000	
COPPER (CU)	0.00090	
IRON (FE)	0.0020	
LEAD (PB)	0.0001	
MANGANESE (MN)	0.0000	
MOLYBEDENUM (MO)	0.0001	*
NICKEL (NI)	0.0000	
TIN (SN)		
VANADIUM (V)	0.0000	
ZINC (ZN)	0.00	
BERYLLIUM (BE)	0.00000	

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	*
ARSENIC	(AS)	0.010	*
BORON	(B)	0.090	
CALCIUM		008.5	
CHLORIDES	(CL)	003.8	
FLUORIDE	(F)	01.0	
HARDNESS		039.	
MAGNESIUM	(MG)	003.20	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.50	
SULFATES	(SO4)	000.0	
TOT.DISS.SOLIDS		0040.0	
PH			
COLOR	(S.U.)	01.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	004.0	
SUSPENDED	01.0	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0060.
CARBON ALCOHOL EXTRACTABLES	0123.

* LESS THAN VALUE SHOWN

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CITY-PORTLAND (POP. 72,566) STATE-ME. 12010

OWNERSHIP PUBLIC

POPULATION SERVED 145 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) PRESUMPSCO & RIVER AND CASCO BAY

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 45 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/10 - 10/24, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0020
BISMUTH	(BI)	0.0003 *
CADMIUM	(CD)	0.0001
CHROMIUM	(CR)	0.0001 *
COBALT	(CO)	0.0001 *
COPPER	(CU)	0.00400
IRON	(FE)	0.0150
LEAD	(PB)	0.0003
MANGANESE	(MN)	0.0004
MOLYBEDENUM	(MO)	0.0006 *
NICKEL	(NI)	0.0001 *
TIN	(SN)	
VANADIUM	(V)	0.0001 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00000

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		003.2
CHLORIDES	(CL)	004.0
FLUORIDE	(F)	00.0
HARDNESS		010.
MAGNESIUM	(MG)	000.50
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	001.50
SULFATES	(SO4)	004.9
TOT.DISS.SOLIDS		0012.0
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	007.0	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0122.
CARBON ALCOHOL EXTRACTABLES	0177.

* LESS THAN VALUE SHOWN

CITY-LOWELL (POP. 92,107) STATE-MASS. 13010

OWNERSHIP PUBLIC

POPULATION SERVED 93 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) MERRIMAC RIVER

SOURCE SURFACE & GROUND WATER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT RAPID SAND FILTRATION & DISINFECTION

DESIGN CAPACITY 11 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/05 - 02/18, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		
ARSENIC	(AS)	
BORON	(B)	
CALCIUM		
CHLORIDES	(CL)	018.0
FLUORIDE	(F)	
HARDNESS		
MAGNESIUM	(MG)	
NITRATES	(NO3)	00.0
SELENIUM	(SE)	
SODIUM	(NA)	
SULFATES	(SO4)	019.0
TOT.DISS.SOLIDS		0115.0
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	03.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *
BETA ACTIVITY	
DISSOLVED	003.0
SUSPENDED	01.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0091.
CARBON ALCOHOL EXTRACTABLES	0142.

* LESS THAN VALUE SHOWN

CITY-BERLIN 17, 821 (POP.) STATE-N.H. 14010

OWNERSHIP PUBLIC

POPULATION SERVED 17 THOUSAND

RIVER BASIN (MAJOR) CONNECTICUT RIVER (MINOR) TRIBUTARIES TO ANDROSCOGGIN RIVER

SOURCE AMMONOOSUC RIVER

RAW WATER CAPACITY RANGE 10 - 100 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 2.5 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/15 - 10/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0060	
BISMUTH (BI)	0.0003	*
CADMIUM (CD)	0.0001	*
CHROMIUM (CR)	0.0002	*
COBALT (CO)	0.0002	*
COPPER (CU)	0.04000	
IRON (FE)	0.0770	
LEAD (PB)	0.0006	
MANGANESE (MN)	0.0026	
MOLYBDENUM (MO)	0.0008	*
NICKEL (NI)	0.0002	*
TIN (SN)		
VANADIUM (V)	0.0002	*
ZINC (ZN)	0.03	
BERYLLIUM (BE)	0.00000	

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		003.6	
CHLORIDES	(CL)	004.5	
FLUORIDE	(F)	00.2	
HARDNESS		014.	
MAGNESIUM	(MG)	001.20	
NITRATES	(NO3)	00.1	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.50	
SULFATES	(SO4)		
TOT.DISS.SOLIDS		0014.0	
PH			
COLOR	(S.U.)	25.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	006.0	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0033.
CARBON ALCOHOL EXTRACTABLES	0114.

* LESS THAN VALUE SHOWN

CITY-MANCHESTER (POP. 88,282) STATE-N.H. 14020

OWNERSHIP PUBLIC

POPULATION SERVED 92 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) MERRIMAC RIVER

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 25 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/20 - 11/02, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0040
BISMUTH	(BI)	0.0003 *
CADMIUM	(CD)	0.0001 *
CHROMIUM	(CR)	0.0001 *
COBALT	(CO)	0.0001 *
COPPER	(CU)	0.04600
IRON	(FE)	0.1000
LEAD	(PB)	0.0006
MANGANESE	(MN)	0.0020
MOLYBDENUM	(MO)	0.0007 *
NICKEL	(NI)	0.0001 *
TIN	(SN)	
VANADIUM	(V)	0.0001 *
ZINC	(ZN)	0.19
BERYLLIUM	(BE)	0.00001 *

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.040
CALCIUM		004.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.0
HARDNESS		012.
MAGNESIUM	(MG)	000.90
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	004.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY
RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *
BETA ACTIVITY	
DISSOLVED	008.0
SUSPENDED	01.0

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0124.
CARBON ALCOHOL EXTRACTABLES	0298.

* LESS THAN VALUE SHOWN

CITY-BURLINGTON (POP. 35,500) STATE-VT. 16010

OWNERSHIP PUBLIC

POPULATION SERVED 50 THOUSAND

RIVER BASIN (MAJOR) LAKE CHAMPLAIN (MINOR) LAKE CHAMPLAIN

SOURCE LAKE RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 10 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/11 - 12/29, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0060	
BISMUTH (BI)	0.0008	*
CADMIUM (CD)	0.0003	
CHROMIUM (CR)	0.0004	*
COBALT (CO)	0.0004	*
COPPER (CU)	0.01600	
IRON (FE)	0.0270	
LEAD (PB)	0.0010	
MANGANESE (MN)	0.0006	
MOLYBEDENUM (MO)	0.0020	*
NICKEL (NI)	0.0004	*
TIN (SN)		
VANADIUM (V)	0.0004	*
ZINC (ZN)	0.00	
BERYLLIUM (BE)	0.00001	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		015.0	
CHLORIDES	(CL)	006.0	
FLUORIDE	(F)	00.5	
HARDNESS		064.	
MAGNESIUM	(MG)	006.50	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	003.50	
SULFATES	(SO4)	010.8	
TOT.DISS.SOLIDS		0091.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	005.0	
SUSPENDED	01.0	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0102.
CARBON ALCOHOL EXTRACTABLES	0165.

* LESS THAN VALUE SHOWN

REGION TWO

Delaware
New Jersey
New York
Pennsylvania

CITY-WILMINGTON (POP. 95,900) STATE-DEL. 21011

PORTER FILTER PLANT

OWNERSHIP CITY OF WILMINGTON

RIVER BASIN (MAJOR) DELAWARE (MINOR) BRANDYWINE CREEK

SOURCE BRANDYWINE CREEK & IMPOUNDED RESERVOIR

TREATMENT PURIFICATION & DISINFECTION

POPULATION SERVED 104 THOUSAND

RAW WATER CAPACITY RANGE 2 BIL.+ GAL.

DESIGN CAPACITY 24 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 67

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/11 - 09/24, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0050
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0050
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0100
NICKEL	(NI)	0.0050
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.170
ARSENIC	(AS)	0.010 *
BORON	(B)	0.070
CALCIUM		023.0
CHLORIDES	(CL)	038.0
FLUORIDE	(F)	01.1
HARDNESS		096.
MAGNESIUM	(MG)	009.20
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	013.00
SULFATES	(SO4)	052.0
TOT.DISS.SOLIDS		0155.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	003.0	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0120.
CARBON ALCOHOL EXTRACTABLES	0148.

* LESS THAN VALUE SHOWN

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CITY-WILMINGTON (POP. 95,900) STATE-DEL. 21012

BRANDYWINE FILTER PLT

OWNERSHIP CITY OF WILMINGTON

POPULATION SERVED 52 THOUSAND

RIVER BASIN (MAJOR) DELAWARE (MINOR) BRANDYWINE CREEK

SOURCE BRANDYWINE CREEK RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 18 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 33

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/02 - 10/15, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100 *
BARIUM	(BA)	0.0100 *
BISMUTH	(BI)	0.0070 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0010 *
COBALT	(CO)	0.0030 *
COPPER	(CU)	0.05000
IRON	(FE)	0.0400
LEAD	(PB)	0.0070 *
MANGANESE	(MN)	0.0200
MOLYBDENUM	(MO)	0.0200
NICKEL	(NI)	0.0030
TIN	(SN)	0.0030 *
VANADIUM	(V)	0.0030
ZINC	(ZN)	0.04
BERYLLIUM	(BE)	0.00070 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.130
ARSENIC	(AS)	0.010 *
BORON	(B)	0.140
CALCIUM		018.0
CHLORIDES	(CL)	033.0
FLUORIDE	(F)	01.1
HARDNESS		084.
MAGNESIUM	(MG)	009.20
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	012.00
SULFATES	(SO4)	048.0
TOT.DISS.SOLIDS		0140.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	005.0	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0166.
CARBON ALCOHOL EXTRACTABLES	0079.

* LESS THAN VALUE SHOWN

CITY-TRENTON (POP. 114,167) STATE-N.J. 22010

OWNERSHIP PUBLIC

POPULATION SERVED 216 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) DELAWARE

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 50 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/10 - 10/25, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		
ARSENIC	(AS)	
BORON	(B)	
CALCIUM		
CHLORIDES	(CL)	006.0
FLUORIDE	(F)	
HARDNESS		
MAGNESIUM	(MG)	
NITRATES	(NO3)	00.0
SELENIUM	(SE)	
SODIUM	(NA)	
SULFATES	(SO4)	040.0
TOT.DISS.SOLIDS		0250.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *
BETA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0199.
CARBON ALCOHOL EXTRACTABLES	0055.

* LESS THAN VALUE SHOWN

CITY-ALBANY (POP. 129,726) STATE-N.Y. 23010

OWNERSHIP PUBLIC

POPULATION SERVED 120 THOUSAND

RIVER BASIN (MAJOR) (MINOR)

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 32 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/27 - 04/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0030	*
BARIUM (BA)	0.0006	*
BISMUTH (BI)	0.0060	*
CADMIUM (CD)	0.0030	
CHROMIUM (CR)	0.0003	*
COBALT (CO)	0.0006	*
COPPER (CU)	0.02000	
IRON (FE)	0.0300	
LEAD (PB)	0.0060	*
MANGANESE (MN)	0.0060	
MOLYBEDENUM (MO)	0.0006	*
NICKEL (NI)	0.0005	*
TIN (SN)	0.0006	*
VANADIUM (V)	0.0006	*
ZINC (ZN)	0.20	*
BERYLLIUM (BE)	0.00002	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.060	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		018.0	
CHLORIDES	(CL)	004.0	
FLUORIDE	(F)	00.0	
HARDNESS		068.	
MAGNESIUM	(MG)	005.60	
NITRATES	(NO3)	00.1	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.70	
SULFATES	(SO4)	019.0	
TOT.DISS.SOLIDS		0059.0	
PH			
COLOR	(S.U.)	01.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.50	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	014.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0072.
CARBON ALCOHOL EXTRACTABLES	0139.

* LESS THAN VALUE SHOWN

CITY-BUFFALO (POP. 532,759) STATE-N.Y. 23020

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST

(MINOR) LAKE ERIE - NIAGARA

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 160 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/04 - 09/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0050
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00100
IRON	(FE)	0.0050
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		037.0
CHLORIDES	(CL)	023.5
FLUORIDE	(F)	01.0
HARDNESS		136.
MAGNESIUM	(MG)	011.00
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	008.00
SULFATES	(SO4)	024.0
TOT.DISS.SOLIDS		0190.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	00.0
SUSPENDED	00.1
BETA ACTIVITY	
DISSOLVED	003.8
SUSPENDED	00.4

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0076.
CARBON ALCOHOL EXTRACTABLES	0127.

* LESS THAN VALUE SHOWN

CITY-NEW YORK CITY (POP. 7,781,984) STATE-N.Y. 23031

CROTON SYSTEM

OWNERSHIP PUBLIC

POPULATION SERVED 1500 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) LOWER HUDSON

SOURCE RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 290 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/30 - 02/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0050	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0030	*
CADMIUM (CD)	0.0020	*
CHROMIUM (CR)	0.0005	*
COBALT (CO)	0.0010	*
COPPER (CU)	0.04000	
IRON (FE)	0.0300	
LEAD (PB)	0.0050	
MANGANESE (MN)	0.0400	
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0010	*
TIN (SN)	0.0010	*
VANADIUM (V)	0.0030	
ZINC (ZN)	0.30	*
BERYLLIUM (BE)	0.00003	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.070
CALCIUM		018.0
CHLORIDES	(CL)	009.6
FLUORIDE	(F)	00.2
HARDNESS		076.
MAGNESIUM	(MG)	007.80
NITRATES	(NO3)	00.2
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	004.00
SULFATES	(SO4)	017.5
TOT.DISS.SOLIDS		0100.0
PH		
COLOR	(S.U.)	08.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	04.00

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0095.
CARBON ALCOHOL EXTRACTABLES	0121.

* LESS THAN VALUE SHOWN

CITY-NEW YORK CITY (POP. 7,781,984) STATE-N.Y. 23032

CATSKILL SYSTEM

OWNERSHIP PUBLIC

POPULATION SERVED 6300 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST, NORTH ATLANTIC

(MINOR) MOHAWK RIVER, LOWER HUDSON, DELAWARE - ZONE 1

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 1210 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/21 - 03/08, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0050 *
BARIUM	(BA)	0.0100
BISMUTH	(BI)	0.0030 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0005 *
COBALT	(CO)	0.0010 *
COPPER	(CU)	0.08000
IRON	(FE)	0.0500
LEAD	(PB)	0.0030 *
MANGANESE	(MN)	0.0500
MOLYBEDENUM	(MO)	0.0010 *
NICKEL	(NI)	0.0010 *
TIN	(SN)	0.0010 *
VANADIUM	(V)	0.0010 *
ZINC	(ZN)	0.30 *
BERYLLIUM	(BE)	0.00003 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.000
CALCIUM		008.8
CHLORIDES	(CL)	003.2
FLUORIDE	(F)	00.1
HARDNESS		056.
MAGNESIUM	(MG)	008.20
NITRATES	(NO3)	00.3
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	002.00
SULFATES	(SO4)	010.0
TOT.DISS.SOLIDS		0044.0
PH		
COLOR	(S.U.)	07.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	04.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0066.
CARBON ALCOHOL EXTRACTABLES	0133.

* LESS THAN VALUE SHOWN

CITY-NEW YORK CITY (POP. 7,781,984) JAMAICA W.S. CO. STATE-N.Y. 23033

OWNERSHIP PRIVATE

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR)

(MINOR)

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 106 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/19 - 03/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0050 *
BARIUM	(BA)	0.0009 *
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0010 *
CHROMIUM	(CR)	0.0005 *
COBALT	(CO)	0.0009 *
COPPER	(CU)	0.03000
IRON	(FE)	0.0500
LEAD	(PB)	0.0020
MANGANESE	(MN)	0.0030
MOLYBEDENUM	(MO)	0.0009 *
NICKEL	(NI)	0.0200
TIN	(SN)	0.0009 *
VANADIUM	(V)	0.0009 *
ZINC	(ZN)	0.20 *
BERYLLIUM	(BE)	0.00020

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010 *
ARSENIC	(AS)	0.010 *
BORON	(B)	0.140
CALCIUM		005.0
CHLORIDES	(CL)	012.1
FLUORIDE	(F)	00.2
HARDNESS		032.
MAGNESIUM	(MG)	004.80
NITRATES	(NO3)	00.5
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	007.50
SULFATES	(SO4)	021.0
TOT.DISS.SOLIDS		0125.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0016.

CARBON ALCOHOL EXTRACTABLES 0032.

* LESS THAN VALUE SHOWN

CITY-NEW YORK CITY (POP. 7,781,984) STATE-N.Y. 23034

WOODHAVEN WATER CO.

OWNERSHIP PRIVATE

POPULATION SERVED 150 THOUSAND

RIVER BASIN (MAJOR)

(MINOR)

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT

DESIGN CAPACITY 152 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/02 - 02/19, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0400 *
BARIUM	(BA)	0.0800
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0100 *
CHROMIUM	(CR)	0.0040 *
COBALT	(CO)	0.0080 *
COPPER	(CU)	0.00100
IRON	(FE)	0.0100
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.0200 *
MOLYBEDENUM	(MO)	0.0080 *
NICKEL	(NI)	0.0080 *
TIN	(SN)	0.0080 *
VANADIUM	(V)	0.0080 *
ZINC	(ZN)	3.00
BERYLLIUM	(BE)	0.00020 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		077.0
CHLORIDES	(CL)	047.9
FLUORIDE	(F)	00.2
HARDNESS		328.
MAGNESIUM	(MG)	033.00
NITRATES	(NO3)	45.7
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	014.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0473.4
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.04

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0 *	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0040.
CARBON ALCOHOL EXTRACTABLES	0140.

* LESS THAN VALUE SHOWN

CITY-POUGHKEEPSIE (POP. 38,330) STATE-N.Y. 23040

OWNERSHIP PUBLIC

POPULATION SERVED 60 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) HUDSON

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 12 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/03 - 12/20 , 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0230	
BISMUTH (BI)	0.0020	*
CADMIUM (CD)	0.0010	*
CHROMIUM (CR)	0.0030	*
COBALT (CO)	0.0010	*
COPPER (CU)	0.01500	
IRON (FE)	0.0060	
LEAD (PB)	0.0040	
MANGANESE (MN)	0.0010	
MOLYBEDENUM (MO)	0.0030	*
NICKEL (NI)	0.0010	*
TIN (SN)		
VANADIUM (V)	0.0060	*
ZINC (ZN)	0.02	
BERYLLIUM (BE)	0.00003	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.040
CALCIUM		029.0
CHLORIDES	(CL)	012.8
FLUORIDE	(F)	00.9
HARDNESS		086.
MAGNESIUM	(MG)	003.40
NITRATES	(NO3)	00.5
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.00
SULFATES	(SO4)	035.0
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	02.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.10

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	008.0	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0161.
CARBON ALCOHOL EXTRACTABLES	0227.

* LESS THAN VALUE SHOWN

CITY-ROCHESTER STATE-N.Y. 23051

(POP. 318,611)

LAKE HEMLOCK SOURCE

OWNERSHIP PUBLIC

POPULATION SERVED 292 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) LAKE ONTARIO

SOURCE IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 36 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 88

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/29 - 09/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0040	
BISMUTH (BI)	0.0070	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0010	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.03000	
IRON (FE)	0.2000	
LEAD (PB)	0.0070	
MANGANESE (MN)	0.0040	
MOLYBDENUM (MO)	0.0040	*
NICKEL (NI)	0.0040	*
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.04	*
BERYLLIUM (BE)	0.00070	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		021.0	
CHLORIDES	(CL)	012.1	
FLUORIDE	(F)	00.9	
HARDNESS		076.	
MAGNESIUM	(MG)	005.80	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.50	
SULFATES	(SO4)	032.5	
TOT. DISS. SOLIDS		0127.0	
PH			
COLOR	(S.U.)	01.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	006.0	
SUSPENDED	04.0	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0066.
CARBON ALCOHOL EXTRACTABLES	0136.

* LESS THAN VALUE SHOWN

CITY-ROCHESTER (POP. 318,611) STATE-N.Y. 23052

LAKE ONTARIO SOURCE

OWNERSHIP PUBLIC

POPULATION SERVED 43 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) LAKE ONTARIO

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 36 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 12

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/30 - 09/13, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0060
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0060 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0500
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0060 *
MOLYBEDENUM	(MO)	0.0060 *
NICKEL	(NI)	0.0060 *
TIN	(SN)	0.0060 *
VANADIUM	(V)	0.0060 *
ZINC	(ZN)	0.06 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		036.0
CHLORIDES	(CL)	027.7
FLUORIDE	(F)	01.0
HARDNESS		128.
MAGNESIUM	(MG)	009.20
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	010.00
SULFATES	(SO4)	036.5
TOT.DISS.SOLIDS		0192.0
PH		
COLOR	(S.U.)	01.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.10

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	00.1
SUSPENDED	00.1
BETA ACTIVITY	
DISSOLVED	002.2
SUSPENDED	04.8

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0172.
CARBON ALCOHOL EXTRACTABLES	0112.

* LESS THAN VALUE SHOWN

CITY-SCHNECTADY (POP. 81,682) STATE-N.Y. 23060

OWNERSHIP PUBLIC

POPULATION SERVED 112.2 THOUSAND

RIVER BASIN (MAJOR) NORTHEAST (MINOR) MOHAWK

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 43 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/22 - 04/05, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0040	*
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0060	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0040	*
COPPER	(CU)	0.00800	
IRON	(FE)	0.0100	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	0.0100	
MOLYBEDENUM	(MO)	0.0040	*
NICKEL	(NI)	0.0040	*
TIN	(SN)	0.0040	*
VANADIUM	(V)	0.0040	*
ZINC	(ZN)	1.00	*
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		052.0	
CHLORIDES	(CL)	012.4	
FLUORIDE	(F)	00.0	
HARDNESS		173.	
MAGNESIUM	(MG)	010.00	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	008.50	
SULFATES	(SO4)	027.2	
TOT.DISS.SOLIDS		0170.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0	*
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0042.
CARBON ALCOHOL EXTRACTABLES	0098.

* LESS THAN VALUE SHOWN

CITY-TROY (POP. 67,492) STATE-N.Y. 23070

OWNERSHIP PUBLIC

POPULATION SERVED 73 THOUSAND

RIVER BASIN (MAJOR) LOWER HUDSON (MINOR) HOOSIC RIVER

SOURCE IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE 100-1,000 MG

TREATMENT DISINFECTION

DESIGN CAPACITY 46 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/11 - 04/28, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0040 *
BARIUM	(BA)	0.0007 *
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0010 *
CHROMIUM	(CR)	0.0004 *
COBALT	(CO)	0.0007 *
COPPER	(CU)	0.03000
IRON	(FE)	0.3000
LEAD	(PB)	0.0020 *
MANGANESE	(MN)	0.7000
MOLYBEDENUM	(MO)	0.0007 *
NICKEL	(NI)	0.0007 *
TIN	(SN)	0.0007 *
VANADIUM	(V)	0.0007 *
ZINC	(ZN)	0.20 *
BERYLLIUM	(BE)	0.00002 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		013.0
CHLORIDES	(CL)	005.0
FLUORIDE	(F)	00.0
HARDNESS		044.
MAGNESIUM	(MG)	002.70
NITRATES	(NO3)	00.3
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.60
SULFATES	(SO4)	010.4
TOT.DISS.SOLIDS		0090.0
PH		
COLOR	(S.U.)	20.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	018.0
SUSPENDED	04.0

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0080.
CARBON ALCOHOL EXTRACTABLES	0122.

* LESS THAN VALUE SHOWN

CITY-ALLENTOWN (POP. 108,347) STATE-PA. 24010

OWNERSHIP PUBLIC

RIVER BASIN (MAJOR) NORTH (MINOR) DELAWARE RIVER - LEHIGH

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 40 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

POPULATION SERVED 112 THOUSAND

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

11/28 - 12/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0020
BISMUTH	(BI)	0.0004 *
CADMIUM	(CD)	0.0001
CHROMIUM	(CR)	0.0002 *
COBALT	(CO)	0.0002 *
COPPER	(CU)	0.00040 *
IRON	(FE)	0.0020
LEAD	(PB)	0.0005
MANGANESE	(MN)	0.0000
MOLYBEDENUM	(MO)	0.0010 *
NICKEL	(NI)	0.0002 *
TIN	(SN)	
VANADIUM	(V)	0.0002 *
ZINC	(ZN)	0.00
BERYLLIUM	(BE)	0.00001 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010
ARSENIC	(AS)	0.010 *
BORON	(B)	0.080
CALCIUM		042.0
CHLORIDES	(CL)	007.0
FLUORIDE	(F)	00.2
HARDNESS		154.
MAGNESIUM	(MG)	012.00
NITRATES	(NO3)	02.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	004.50
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0240.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	05.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	001.0	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0008.
CARBON ALCOHOL EXTRACTABLES	0061.

* LESS THAN VALUE SHOWN

CITY-LANCASTER STATE-PA. 24021

(POP. 61,055)

CONESTOGA PLANT

OWNERSHIP PUBLIC POPULATION SERVED 66 THOUSAND

RIVER BASIN (MAJOR) (MINOR)

SOURCE CONESTOGA RAW WATER CAPACITY RANGE

TREATMENT RAPID SAND FILTRATION

DESIGN CAPACITY 16 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 66

CHEMICAL AND PHYSICAL ANALYSES ON A COMPOSITE SAMPLE OF FINISHED WATER

01/07 - 01/22, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0050	*
CADMIUM (CD)	0.0120	*
CHROMIUM (CR)	0.0080	
COBALT (CO)	0.0240	*
COPPER (CU)	0.00600	*
IRON (FE)	0.0140	
LEAD (PB)	0.0120	*
MANGANESE (MN)	0.0060	*
MOLYBEDENUM (MO)	0.0060	*
NICKEL (NI)	0.0120	*
TIN (SN)		
VANADIUM (V)	0.0120	*
ZINC (ZN)	0.07	
BERYLLIUM (BE)	0.00006	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.040	
CALCIUM		042.0	
CHLORIDES	(CL)	012.0	
FLUORIDE	(F)	01.0	
HARDNESS		160.	
MAGNESIUM	(MG)	013.00	
NITRATES	(NO3)	03.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	007.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS		0200.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	009.0	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0073.
CARBON ALCOHOL EXTRACTABLES	0207.

* LESS THAN VALUE SHOWN

CITY-LANCASTER STATE-PA. 24022

(POP. 60,500)

SUSQUEHANNA PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 37 THOUSAND

RIVER BASIN (MAJOR)

(MINOR)

SOURCE SUSQUEHANNA RIVER

RAW WATER CAPACITY RANGE

TREATMENT RAPID SAND FILTRATION

DESIGN CAPACITY 8 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 37

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

11/01 - 11/14, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0050 *
CADMIUM	(CD)	0.0010 *
CHROMIUM	(CR)	0.0030 *
COBALT	(CO)	0.0030 *
COPPER	(CU)	0.01200
IRON	(FE)	0.0040
LEAD	(PB)	0.0040
MANGANESE	(MN)	0.0680
MOLYBEDENUM	(MO)	0.0350
NICKEL	(NI)	0.0030 *
TIN	(SN)	
VANADIUM	(V)	0.0030 *
ZINC	(ZN)	0.00
BERYLLIUM	(BE)	0.00007 *

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		047.0
CHLORIDES	(CL)	013.0
FLUORIDE	(F)	00.9
HARDNESS		122.
MAGNESIUM	(MG)	001.20
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	009.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0350.0
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	05.00

RESULTS BY
RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES	0040.
CARBON ALCOHOL EXTRACTABLES	0023.

* LESS THAN VALUE SHOWN

CITY-PHILADELPHIA STATE-PA. 24031
(POP. 2,032,512)
BELMONT SS RS FILTERS

OWNERSHIP PUBLIC
POPULATION SERVED 400 THOUSAND
RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) DELAWARE RIVER - SCHUYLKILL
SOURCE RIVER
RAW WATER CAPACITY RANGE 108 MGD
TREATMENT PURIFICATION, DISINFECTION, IRON & MANGANESE REMOVAL
DESIGN CAPACITY 72 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 20

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/21 - 01/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0400	
BISMUTH (BI)	0.0090	*
CADMIUM (CD)	0.0060	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.20000	
IRON (FE)	0.0600	
LEAD (PB)	0.0090	*
MANGANESE (MN)	0.0090	
MOLYBEDENUM (MO)	0.0040	*
NICKEL (NI)	0.1000	
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.90	
BERYLLIUM (BE)	0.00009	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.150	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.120	
CALCIUM		030.0	
CHLORIDES	(CL)	023.0	
FLUORIDE	(F)	00.9	
HARDNESS		132.	
MAGNESIUM	(MG)	014.00	
NITRATES	(NO3)	02.1	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	010.00	
SULFATES	(SO4)	066.0	
TOT.DISS.SOLIDS		0172.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	011.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0196.
CARBON ALCOHOL EXTRACTABLES	0253.

* LESS THAN VALUE SHOWN

CITY-PHILADELPHIA (POP. 2,002,512) STATE-PA. 24032

QUEEN LANE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) DELAWARE RIVER - SCHULYKILL

SOURCE RIVER RAW WATER CAPACITY RANGE 150 MGD

TREATMENT PURIFICATION, DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 150 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 30

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/21 - 01/04, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0100
BISMUTH	(BI)	0.0300 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0040 *
COPPER	(CU)	0.04000
IRON	(FE)	0.0400
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0080 *
MOLYBEDENUM	(MO)	0.0040 *
NICKEL	(NI)	0.0800
TIN	(SN)	0.0040 *
VANADIUM	(V)	0.0040 *
ZINC	(ZN)	1.00 *
BERYLLIUM	(BE)	0.00010 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.280
ARSENIC	(AS)	0.010 *
BORON	(B)	0.140
CALCIUM		030.0
CHLORIDES	(CL)	022.0
FLUORIDE	(F)	01.0
HARDNESS		152.
MAGNESIUM	(MG)	019.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	013.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0250.0
PH		
COLOR	(S.U.)	02.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.10

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	014.0
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0197.
CARBON ALCOHOL EXTRACTABLES	0295.

* LESS THAN VALUE SHOWN

CITY-PHILADELPHIA STATE-PA. 24033
(POP. 2,002,512)
BELMONT RS FILTERS

OWNERSHIP PUBLIC
POPULATION SERVED THOUSAND
RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) DELAWARE RIVER - SCHUYKILL
SOURCE RIVER
RAW WATER CAPACITY RANGE 108 MGD
TREATMENT PURIFICATION, DISINFECTION, IRON & MANGANESE REMOVAL
DESIGN CAPACITY 36 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/21 - 01/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0100
BISMUTH	(BI)	0.0090 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0080 *
COBALT	(CO)	0.0040 *
COPPER	(CU)	0.02000
IRON	(FE)	0.0000
LEAD	(PB)	0.0090 *
MANGANESE	(MN)	0.0090
MOLYBEDENUM	(MO)	0.0040 *
NICKEL	(NI)	0.1000
TIN	(SN)	0.0040 *
VANADIUM	(V)	0.0040 *
ZINC	(ZN)	0.90
BERYLLIUM	(BE)	0.00009 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.170
ARSENIC	(AS)	0.010 *
BORON	(B)	0.150
CALCIUM		029.0
CHLORIDES	(CL)	023.0
FLUORIDE	(F)	00.9
HARDNESS		108.
MAGNESIUM	(MG)	008.70
NITRATES	(NO3)	02.2
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	010.00
SULFATES	(SO4)	070.0
TOT.DISS.SOLIDS		0209.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	013.0	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0193.
CARBON ALCOHOL EXTRACTABLES	0227.

* LESS THAN VALUE SHOWN

CITY-PHILADELPHIA STATE-PA. 24034
(POP. 2,002,512)
TORRESDALE PLANT

OWNERSHIP PUBLIC POPULATION SERVED 1000 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) DELAWARE RIVER - ZONE 2

SOURCE RIVER RAW WATER CAPACITY RANGE 423 MGD

TREATMENT PURIFICATION, DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 282 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/26 - 01/04, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES			
ANTIMONY	(SB)	0.0100	*
BARIUM	(BA)	0.0400	
BISMUTH	(BI)	0.0060	*
CADMIUM	(CD)	0.0040	*
CHROMIUM	(CR)	0.0010	*
COBALT	(CO)	0.0030	*
COPPER	(CU)	0.03000	
IRON	(FE)	0.0400	
LEAD	(PB)	0.0060	*
MANGANESE	(MN)	0.0300	
MOLYBEDENUM	(MO)	0.0060	
NICKEL	(NI)	0.0800	
TIN	(SN)	0.0030	*
VANADIUM	(V)	0.0030	*
ZINC	(ZN)	0.60	*
BERYLLIUM	(BE)	0.00006	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES			
ABS		0.120	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.150	
CALCIUM		026.0	
CHLORIDES	(CL)	018.0	
FLUORIDE	(F)	01.0	
HARDNESS		104.	
MAGNESIUM	(MG)	009.20	
NITRATES	(NO3)	04.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	006.00	
SULFATES	(SO4)	042.0	
TOT.DISS.SOLIDS		0217.0	
PH			
COLOR	(S.U.)	02.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.05	

RESULTS BY RADIOCHEMICAL ANALYSES	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	011.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)	PPB
CARBON CHLOROFORM EXTRACTABLES	0102.
CARBON ALCOHOL EXTRACTABLES	0210.

* LESS THAN VALUE SHOWN

CITY-SAYRE (POP. 7,917) STATE-PA. 24040

OWNERSHIP PRIVATE

POPULATION SERVED 8.5 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) SUSQUEHANNA RIVER - NORTH BRANCH

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 4 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/04 - 09/22, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0060	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0060	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0060	*
COPPER	(CU)	0.00200	
IRON	(FE)	0.0500	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	0.0060	*
MOLYBEDENUM	(MO)	0.0060	*
NICKEL	(NI)	0.0060	*
TIN	(SN)	0.0060	*
VANADIUM	(V)	0.0060	*
ZINC	(ZN)	0.06	*
BERYLLIUM	(BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.190	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		042.0	
CHLORIDES	(CL)	023.0	
FLUORIDE	(F)	00.1	
HARDNESS		134.	
MAGNESIUM	(MG)	006.80	
NITRATES	(NO3)	00.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	014.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS		0220.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	05.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	003.0	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0061.
CARBON ALCOHOL EXTRACTABLES	0104.

* LESS THAN VALUE SHOWN

REGION THREE

District of Columbia
Kentucky
Maryland
North Carolina
Virginia
West Virginia
Puerto Rico
Virgin Islands

CITY-ASHLAND (POP. 31,283) STATE-KY. 32010

OWNERSHIP PUBLIC

POPULATION SERVED 48 THOUSAND

RIVER BASIN (MAJOR) OHIO RIVER (MINOR) MAIN STREAM

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 8 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

/ - / - 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		
ARSENIC	(AS)	
BORON	(B)	
CALCIUM		
CHLORIDES	(CL)	022.0
FLUORIDE	(F)	
HARDNESS		
MAGNESIUM	(MG)	
NITRATES	(NO3)	00.5
SELENIUM	(SE)	
SODIUM	(NA)	
SULFATES	(SO4)	084.0
TOT.DISS.SOLIDS		0189.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES

CARBON ALCOHOL EXTRACTABLES

* LESS THAN VALUE SHOWN

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CITY-LEXINGTON (POP. 62,810) STATE-KY. 32021

MAIN PLANT

OWNERSHIP PRIVATE

POPULATION SERVED 170 THOUSAND

RIVER BASIN (MAJOR) KENTUCKY (MINOR)

SOURCE RESERVOIR & KENTUCKY RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 8 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

/ - / , 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		
ARSENIC	(AS)	
BORON	(B)	
CALCIUM		
CHLORIDES	(CL)	026.0
FLUORIDE	(F)	
HARDNESS		
MAGNESIUM	(MG)	
NITRATES	(NO3)	01.3
SELENIUM	(SE)	
SODIUM	(NA)	
SULFATES	(SO4)	052.0
TOT.DISS.SOLIDS		0298.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES

CARBON ALCOHOL EXTRACTABLES

* LESS THAN VALUE SHOWN

CITY-LEXINGTON (POP. 62,810) STATE-KY. 32022

RIVER STATION

OWNERSHIP PRIVATE

POPULATION SERVED 170 THOUSAND

RIVER BASIN (MAJOR) KENTUCKY (MINOR) MAIN STREAM

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 16 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

/ - / . 1962

RESULTS BY SPECTOGRAPHIC ANALYSES		RESULTS BY CHEMICAL AND PHYSICAL ANALYSES		
ANTIMONY	(SB)	ABS		
BARIUM	(BA)	ARSENIC	(AS)	
BISMUTH	(BI)	BORON	(B)	
CADMIUM	(CD)	CALCIUM		
CHROMIUM	(CR)	CHLORIDES	(CL)	026.0
COBALT	(CO)	FLUORIDE	(F)	
COPPER	(CU)	HARDNESS		
IRON	(FE)	MAGNESIUM	(MG)	
LEAD	(PB)	NITRATES	(NO3)	00.5
MANGANESE	(MN)	SELENIUM	(SE)	
MOLYBEDENUM	(MO)	SODIUM	(NA)	
NICKEL	(NI)	SULFATES	(SO4)	053.0
TIN	(SN)	TOT.DISS.SOLIDS		0212.0
VANADIUM	(V)	PH		
ZINC	(ZN)	COLOR	(S.U.)	00.
BERYLLIUM	(BE)	TEMP. F (RAW WATER)		
		TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES	UUC/1	RESULTS BY CARBON ADSORPTION METHOD (CAM)	PPB
ALPHA ACTIVITY			
DISSOLVED		CARBON CHLOROFORM EXTRACTABLES	
SUSPENDED			
BETA ACTIVITY			
DISSOLVED		CARBON ALCOHOL EXTRACTABLES	
SUSPENDED			

* LESS THAN VALUE SHOWN

CITY-LOUISVILLE (POP. 390,639) STATE-KY. 32030

OWNERSHIP PUBLIC

POPULATION SERVED 550 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) MAIN STREAM

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 160 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/06 - 02/22, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		
ARSENIC	(AS)	
BORON	(B)	
CALCIUM		
CHLORIDES	(CL)	020.7
FLUORIDE	(F)	
HARDNESS		
MAGNESIUM	(MG)	
NITRATES	(NO3)	
SELENIUM	(SE)	
SODIUM	(NA)	
SULFATES	(SO4)	083.0
TOT.DISS.SOLIDS		0175.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0111.
CARBON ALCOHOL EXTRACTABLES	0157.

* LESS THAN VALUE SHOWN

CITY-PADUCAH STATE-KY. 32040

(POP. 34,500)

OWNERSHIP PUBLIC

POPULATION SERVED 45 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) MAIN STREAM

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION

DESIGN CAPACITY 9 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/07 - 03/21, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0090 *
BARIUM	(BA)	0.0300
BISMUTH	(BI)	0.0040 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0009 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00300
IRON	(FE)	0.0200
LEAD	(PB)	0.0040 *
MANGANESE	(MN)	0.0030 *
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.40 *
BERYLLIUM	(BE)	0.00004 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010
ARSENIC	(AS)	0.010 *
BORON	(B)	0.170
CALCIUM		031.0
CHLORIDES	(CL)	006.5
FLUORIDE	(F)	00.2
HARDNESS		088.
MAGNESIUM	(MG)	002.40
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.00
SULFATES	(SO4)	036.0
TOT.DISS.SOLIDS		0098.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	022.0	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0038.
CARBON ALCOHOL EXTRACTABLES	0096.

* LESS THAN VALUE SHOWN

CITY-BALTIMORE (POP. 921,400) STATE-MD. 33011

MONTEBELLO PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 850 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) UPPER CHESAPEAKE BAY & MD.-DEL. COAST

SOURCE RIVER IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 1 BIL. GAL.

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 240 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 75

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/13 - 06/26, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0130	
BISMUTH (BI)	0.0010	*
CADMIUM (CD)	0.0010	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0010	*
COPPER (CU)	0.00100	*
IRON (FE)	0.0030	
LEAD (PB)	0.0020	*
MANGANESE (MN)	0.0010	*
MOLYBEDENUM (MO)	0.0030	
NICKEL (NI)	0.0010	*
TIN (SN)		
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.04	
BERYLLIUM (BE)	0.00002	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		019.0	
CHLORIDES	(CL)	011.0	
FLUORIDE	(F)	00.9	
HARDNESS		066.	
MAGNESIUM	(MG)	004.80	
NITRATES	(NO3)	01.8	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.00	
SULFATES	(SO4)	010.0	
TOT.DISS.SOLIDS		0096.0	
PH			
COLOR	(S.U.)	03.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	03.00	*

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	008.7	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0067.
CARBON ALCOHOL EXTRACTABLES	0150.

* LESS THAN VALUE SHOWN

CITY-BALTIMORE (POP. 921,400) STATE-MD. 33012

ASHBURTON PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 570 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) UPPER CHESEAPEAKE BAY-MD, DEL, COAST

SOURCE RIVER, IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 1 BIL. GAL.

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 120 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 25

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/22 - 05/06, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)		
BARIUM	(BA)	0.3060	
BISMUTH	(BI)	0.0010	*
CADMIUM	(CD)	0.0010	*
CHROMIUM	(CR)	0.0010	*
COBALT	(CO)	0.0010	*
COPPER	(CU)	0.00200	
IRON	(FE)	0.0130	
LEAD	(PB)	0.0010	*
MANGANESE	(MN)	0.0010	
MOLYBEDENUM	(MO)	0.0020	
NICKEL	(NI)	0.0010	*
TIN	(SN)		
VANADIUM	(V)	0.0030	*
ZINC	(ZN)	0.00	
BERYLLIUM	(BE)	0.00001	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.010	
CALCIUM		014.0	
CHLORIDES	(CL)	015.0	
FLUORIDE	(F)	00.9	
HARDNESS		094.	
MAGNESIUM	(MG)	004.40	
NITRATES	(NO3)	01.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.00	
SULFATES	(SO4)	011.0	
TOT.DISS.SOLIDS		0090.0	
PH			
COLOR	(S.U.)	03.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	03.00	*

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0111.
CARBON ALCOHOL EXTRACTABLES	

* LESS THAN VALUE SHOWN

CITY-HAGERSTOWN (POP. 36,660) STATE-MD. 33021

POTOMAC RIVER STATION

OWNERSHIP PUBLIC

POPULATION SERVED 60 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) POTOMAC RIVER

SOURCE RIVER RAW WATER CAPACITY RANGE 100 - 1000 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 10 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 70

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/15 - 05/28, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0080 *
BARIUM	(BA)	0.0020 *
BISMUTH	(BI)	0.0040 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0008 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0400
LEAD	(PB)	0.0040 *
MANGANESE	(MN)	0.0030 *
MOLYBEDENUM	(MO)	0.0020
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.40 *
BERYLLIUM	(BE)	0.00004 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.110
CALCIUM		030.0
CHLORIDES	(CL)	013.5
FLUORIDE	(F)	01.1
HARDNESS		100.
MAGNESIUM	(MG)	005.80
NITRATES	(NO3)	00.3
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	004.00
SULFATES	(SO4)	039.0
TOT.DISS.SOLIDS		0156.0
PH		
COLOR	(S.U.)	03.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	03.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	010.0
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0110.
CARBON ALCOHOL EXTRACTABLES	0121.

* LESS THAN VALUE SHOWN

CITY-HAGERSTOWN (POP.) STATE-MD. 33022

MOUNTAIN SUPPLY

OWNERSHIP PUBLIC

POPULATION SERVED THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) RAVEN ROCK RUN & WARNER HOLLOW RUN

SOURCE MOUNTAIN SPRINGS

RAW WATER CAPACITY RANGE 0.10 - 20 MGD

TREATMENT SETTLING & DISINFECTION

DESIGN CAPACITY 2.5 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 30

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/14 - 05/29, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0070	*
BARIUM (BA)	0.0050	
BISMUTH (BI)	0.0030	*
CADMIUM (CD)	0.0020	
CHROMIUM (CR)	0.0007	*
COBALT (CO)	0.0010	*
COPPER (CU)	0.06000	
IRON (FE)	0.0600	
LEAD (PB)	0.0030	*
MANGANESE (MN)	0.0300	
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0010	*
TIN (SN)	0.0010	*
VANADIUM (V)	0.0010	*
ZINC (ZN)	0.30	*
BERYLLIUM (BE)	0.00003	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.110	
CALCIUM		007.2	
CHLORIDES	(CL)	006.5	
FLUORIDE	(F)	00.2	
HARDNESS		030.	
MAGNESIUM	(MG)	002.90	
NITRATES	(NO3)	00.5	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	008.50	
SULFATES	(SO4)	008.6	
TOT.DISS.SOLIDS		0064.0	
PH			
COLOR	(S.U.)	03.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	03.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	005.8	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0069.
CARBON ALCOHOL EXTRACTABLES	0082.

* LESS THAN VALUE SHOWN

CITY-RALEIGH (POP. 101,000) STATE-N.C. 34020

OWNERSHIP PUBLIC

POPULATION SERVED 101 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) NEUSE RIVER

SOURCE STREAM, CREEK AND IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 13 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/22 - 04/05, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0050 *
BARIUM	(BA)	0.0010 *
BISMUTH	(BI)	0.0030 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0005 *
COBALT	(CO)	0.0010 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0200
LEAD	(PB)	0.0030 *
MANGANESE	(MN)	0.0300
MOLYBEDENUM	(MO)	0.0010 *
NICKEL	(NI)	0.0010 *
TIN	(SN)	0.0010 *
VANADIUM	(V)	0.0010 *
ZINC	(ZN)	0.30 *
BERYLLIUM	(BE)	0.00003 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		014.0
CHLORIDES	(CL)	008.0
FLUORIDE	(F)	01.0
HARDNESS		048.
MAGNESIUM	(MG)	002.90
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.50
SULFATES	(SO4)	021.4
TOT.DISS.SOLIDS		0085.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	019.0	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0131.
CARBON ALCOHOL EXTRACTABLES	0169.

* LESS THAN VALUE SHOWN

CITY-WINSTON-SALEM (POP. 139,000) STATE-N.C. 34030

OWNERSHIP PUBLIC

POPULATION SERVED 140 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) YADKIN - PEE DEE RIVER

SOURCE RIVER & IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 200 MGD & 1250 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 32 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

07/23 - 08/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0030	*
BISMUTH (BI)	0.0050	*
CADMIUM (CD)	0.0030	*
CHROMIUM (CR)	0.0030	
COBALT (CO)	0.0030	*
COPPER (CU)	0.05000	
IRON (FE)	0.0100	
LEAD (PB)	0.0050	
MANGANESE (MN)	0.0050	
MOLYBEDENUM (MO)	0.0030	*
NICKEL (NI)	0.0030	*
TIN (SN)	0.0030	*
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.03	*
BERYLLIUM (BE)	0.00050	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.020	
CALCIUM		012.0	
CHLORIDES	(CL)	007.0	
FLUORIDE	(F)	00.8	
HARDNESS		036.	
MAGNESIUM	(MG)	001.50	
NITRATES	(NO3)	00.1	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	003.50	
SULFATES	(SO4)	009.7	
TOT. DISS. SOLIDS		0073.0	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0088.
CARBON ALCOHOL EXTRACTABLES	0096.

* LESS THAN VALUE SHOWN

CITY-NORFOLK STATE-VA. 35011

(POP. 305,872)

MOORES BRIDGE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 190 THOUSAND

RIVER BASIN (MAJOR) NANSEMOND (MINOR) BLACKWATER & LITTLE CREEK

SOURCE LAKES & RIVER RAW WATER CAPACITY RANGE 60 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 39 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 53

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/09 - 04/25, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0060	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0010	*
COBALT (CO)	0.0030	*
COPPER (CU)	0.00600	
IRON (FE)	0.0300	
LEAD (PB)	0.0060	*
MANGANESE (MN)	0.0900	
MOLYBDENUM (MO)	0.0030	*
NICKEL (NI)	0.0030	*
TIN (SN)	0.0030	*
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.60	*
BERYLLIUM (BE)	0.00006	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		028.0	
CHLORIDES	(CL)	032.6	
FLUORIDE	(F)	00.7	
HARDNESS		092.	
MAGNESIUM	(MG)	005.30	
NITRATES	(NO3)	00.7	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	120.00	
SULFATES	(SO4)	038.8	
TOT.DISS.SOLIDS		0174.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	021.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0141.
CARBON ALCOHOL EXTRACTABLES	0189.

* LESS THAN VALUE SHOWN

CITY-NORFOLK STATE-VA. 35012

(POP. 305,872)

37TH STREET PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 185 THOUSAND

RIVER BASIN (MAJOR) NANSEMOND (MINOR) BLACKWATER & NOTTONRY

SOURCE LAKES & RIVER RAW WATER CAPACITY RANGE 30 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 24 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 49

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/09 - 04/24, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0060	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0030	*
CADMIUM (CD)	0.0020	*
CHROMIUM (CR)	0.0006	*
COBALT (CO)	0.0010	*
COPPER (CU)	0.00020	*
IRON (FE)	0.0050	
LEAD (PB)	0.0030	*
MANGANESE (MN)	0.0020	
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0010	*
TIN (SN)	0.0010	*
VANADIUM (V)	0.0010	*
ZINC (ZN)	0.30	*
BERYLLIUM (BE)	0.00003	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		015.0	
CHLORIDES	(CL)	013.5	
FLUORIDE	(F)	00.7	
HARDNESS		050.	
MAGNESIUM	(MG)	002.90	
NITRATES	(NO3)	01.6	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	006.00	
SULFATES	(SO4)	012.7	
TOT.DISS.SOLIDS		0096.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	020.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0097.
CARBON ALCOHOL EXTRACTABLES	0199.

* LESS THAN VALUE SHOWN

CITY-PORTSMOUTH (POP. 115,000) STATE-VA. 35020

OWNERSHIP PUBLIC

POPULATION SERVED 177 THOUSAND

RIVER BASIN (MAJOR) NANSEMOND (MINOR)

SOURCE LAKES & WELLS

RAW WATER CAPACITY RANGE 36 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 22 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/01 - 03/17, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0050	*
CADMIUM (CD)	0.0030	*
CHROMIUM (CR)	0.0010	*
COBALT (CO)	0.0020	*
COPPER (CU)	0.10000	
IRON (FE)	0.0300	
LEAD (PB)	0.0050	*
MANGANESE (MN)	0.0100	
MOLYBEDENUM (MO)	0.0030	
NICKEL (NI)	0.0020	*
TIN (SN)	0.0020	*
VANADIUM (V)	0.0020	*
ZINC (ZN)	0.50	*
BERYLLIUM (BE)	0.00005	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.380	
CALCIUM		010.0	
CHLORIDES	(CL)	011.4	
FLUORIDE	(F)	01.0	
HARDNESS		060.	
MAGNESIUM	(MG)	008.70	
NITRATES	(NO3)	00.6	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	094.00	
SULFATES	(SO4)	013.3	
TOT.DISS.SOLIDS		0135.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	005.1	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0141.
CARBON ALCOHOL EXTRACTABLES	0234.

* LESS THAN VALUE SHOWN

CITY-RICHMOND (POP. 219,958) STATE-VA. 35030

OWNERSHIP PUBLIC

POPULATION SERVED 271 THOUSAND

RIVER BASIN (MAJOR) NORTH ATLANTIC (MINOR) JAMES RIVER

SOURCE RIVER, IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 100-1000 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 66 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/18 - 05/03, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0230
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0010 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0010 *
COPPER	(CU)	0.08100
IRON	(FE)	0.0070
LEAD	(PB)	0.0020
MANGANESE	(MN)	0.0010
MOLYBEDENUM	(MO)	0.0050
NICKEL	(NI)	0.0010 *
TIN	(SN)	
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00002 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.030
CALCIUM		018.0
CHLORIDES	(CL)	011.0
FLUORIDE	(F)	01.0
HARDNESS		066.
MAGNESIUM	(MG)	004.90
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.00
SULFATES	(SO4)	020.0
TOT.DISS.SOLIDS		0118.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	008.1	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0017.
CARBON ALCOHOL EXTRACTABLES	0056.

* LESS THAN VALUE SHOWN

CITY-HUNTINGTON (POP. 83,627) STATE-W.VA. 36010

OWNERSHIP PUBLIC

POPULATION SERVED 98 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR)

SOURCE RIVER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 20 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/07 - 06/22, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0060	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.02000	
IRON (FE)	0.2000	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.2000	
MOLYBEDENUM (MO)	0.0040	*
NICKEL (NI)	0.0040	*
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	*
ZINC (ZN)	1.00	*
BERYLLIUM (BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.130	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.120	
CALCIUM		046.0	
CHLORIDES	(CL)	043.0	
FLUORIDE	(F)	00.4	
HARDNESS		154.	
MAGNESIUM	(MG)	009.70	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	017.00	
SULFATES	(SO4)	153.0	
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	006.8	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0095.
CARBON ALCOHOL EXTRACTABLES	0094.

* LESS THAN VALUE SHOWN

REGION FOUR

Alabama
Florida
Georgia
Mississippi
South Carolina
Tennessee

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CITY-BIRMINGHAM (POP. 340,887) STATE-ALA. 41011

SHADES PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) CAHABA RIVER

SOURCE RIVER, LAKE RAW WATER CAPACITY RANGE 60 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 55 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 80

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/04 - 05/19, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0050	*
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0080	*
CHROMIUM (CR)	0.0030	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.00080	*
IRON (FE)	0.0100	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0100	*
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	1.00	*
BERYLLIUM (BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.110
CALCIUM		022.0
CHLORIDES	(CL)	002.5
FLUORIDE	(F)	00.1
HARDNESS		080.
MAGNESIUM	(MG)	005.80
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	014.00
SULFATES	(SO4)	082.0
TOT.DISS.SOLIDS		0187.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.20

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	008.8	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0071.
CARBON ALCOHOL EXTRACTABLES	0096.

* LESS THAN VALUE SHOWN

CITY-BIRMINGHAM (POP. 340,887) STATE-ALA. 41012

PUTNAM PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST (MINOR) WARRIOR RIVER

SOURCE RIVER, IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 55 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 12 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 17

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/02 - 05/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0030 *
BARIUM	(BA)	0.0008
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0008 *
CHROMIUM	(CR)	0.0003 *
COBALT	(CO)	0.0005 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0100
LEAD	(PB)	0.0020 *
MANGANESE	(MN)	0.0010 *
MOLYBEDENUM	(MO)	0.0005 *
NICKEL	(NI)	0.0005 *
TIN	(SN)	0.0005 *
VANADIUM	(V)	0.0005 *
ZINC	(ZN)	0.20 *
BERYLLIUM	(BE)	0.00002 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.030
CALCIUM		005.6
CHLORIDES	(CL)	002.0
FLUORIDE	(F)	00.0
HARDNESS		032.
MAGNESIUM	(MG)	004.40
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	002.70
SULFATES	(SO4)	002.1
TOT.DISS.SOLIDS		0034.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.20

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	005.2
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0091.
CARBON ALCOHOL EXTRACTABLES	0108.

* LESS THAN VALUE SHOWN

CITY-GADSDEN (POP. 38,083) STATE-ALA. 41020

OWNERSHIP PUBLIC

POPULATION SERVED 68.5 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) COOSA RIVER

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 15 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/14 - 03/28, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0090	*
BARIUM (BA)	0.0600	
BISMUTH (BI)	0.0040	*
CADMIUM (CD)	0.0030	*
CHROMIUM (CR)	0.0009	*
COBALT (CO)	0.0020	*
COPPER (CU)	0.00080	
IRON (FE)	0.0090	
LEAD (PB)	0.0040	*
MANGANESE (MN)	0.0040	*
MOLYBDENUM (MO)	0.0020	*
NICKEL (NI)	0.0020	*
TIN (SN)	0.0020	*
VANADIUM (V)	0.0020	*
ZINC (ZN)	0.40	*
BERYLLIUM (BE)	0.00004	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.110	
CALCIUM		018.0	
CHLORIDES	(CL)	008.0	
FLUORIDE	(F)	00.0	
HARDNESS		076.	
MAGNESIUM	(MG)	007.30	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.50	
SULFATES	(SO4)	002.5	
TOT.DISS.SOLIDS		0084.0	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	014.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0071.
CARBON ALCOHOL EXTRACTABLES	0119.

* LESS THAN VALUE SHOWN

CITY-MOBILE (POP. 202,779) STATE-ALA. 41030

OWNERSHIP PUBLIC

POPULATION SERVED 200 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) MOBILE BAY AREA

SOURCE STREAM, CREEK, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE 100 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 40 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/01 - 05/15, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0050	*
BARIUM (BA)	0.0050	
BISMUTH (BI)	0.0020	*
CADMIUM (CD)	0.0010	*
CHROMIUM (CR)	0.0005	*
COBALT (CO)	0.0010	*
COPPER (CU)	0.00030	
IRON (FE)	0.0500	
LEAD (PB)	0.0020	*
MANGANESE (MN)	0.0040	
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0010	*
TIN (SN)	0.0010	*
VANADIUM (V)	0.0010	*
ZINC (ZN)	0.20	*
BERYLLIUM (BE)	0.00002	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.110	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.020	
CALCIUM		010.0	
CHLORIDES	(CL)	008.0	
FLUORIDE	(F)	00.7	
HARDNESS		030.	
MAGNESIUM	(MG)	001.20	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.70	
SULFATES	(SO4)	007.8	
TOT. DISS. SOLIDS		0050.0	
PH			
COLOR	(S.U.)	02.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	014.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0061.
CARBON ALCOHOL EXTRACTABLES	0103.

* LESS THAN VALUE SHOWN

CITY-MONTGOMERY STATE-ALA. 41041

(POP. 134,393)

COURT ST. PUMP STA.

OWNERSHIP PUBLIC

POPULATION SERVED 160 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) ALABAMA RIVER

SOURCE WELLS RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 9 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 25

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/18 - 01/04, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0100	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0060	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0040	*
COPPER	(CU)	0.00090	
IRON	(FE)	0.0100	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	0.0200	
MOLYBEDENUM	(MO)	0.0040	*
NICKEL	(NI)	0.0040	*
TIN	(SN)	0.0040	*
VANADIUM	(V)	0.0040	*
ZINC	(ZN)	1.00	*
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		005.0	
CHLORIDES	(CL)	007.1	
FLUORIDE	(F)	00.4	
HARDNESS		020.	
MAGNESIUM	(MG)	002.00	
NITRATES	(NO3)	03.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	045.00	
SULFATES	(SO4)	006.8	
TOT.DISS.SOLIDS		0254.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.50	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0008.
CARBON ALCOHOL EXTRACTABLES	0029.

* LESS THAN VALUE SHOWN

CITY-MONTGOMERY STATE-ALA. 41042

(POP.134,393)

DAY ST. PUMP STA.

OWNERSHIP PUBLIC

POPULATION SERVED 160 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) ALABAMA RIVER

SOURCE WELLS RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 18 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 75

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/19 - 01/04, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0800
BISMUTH	(BI)	0.0080 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0030 *
COPPER	(CU)	0.00100
IRON	(FE)	0.0500
LEAD	(PB)	0.0080 *
MANGANESE	(MN)	0.0600
MOLYBEDENUM	(MO)	0.0030 *
NICKEL	(NI)	0.0030 *
TIN	(SN)	0.0030 *
VANADIUM	(V)	0.0030 *
ZINC	(ZN)	0.80 *
BERYLLIUM	(BE)	0.00008 *

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010
ARSENIC	(AS)	0.010 *
BORON	(B)	0.210
CALCIUM		014.0
CHLORIDES	(CL)	011.2
FLUORIDE	(F)	00.8
HARDNESS		052.
MAGNESIUM	(MG)	004.20
NITRATES	(NO3)	03.4
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	054.00
SULFATES	(SO4)	004.5
TOT.DISS.SOLIDS		0272.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.50

RESULTS BY
RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0007.

CARBON ALCOHOL EXTRACTABLES 0041.

* LESS THAN VALUE SHOWN

CITY-TVA WIDOWS CREEK (POP. 1,436) STATE-ALA. 41050

OWNERSHIP U.S. GOVERNMENT

POPULATION SERVED .3 THOUSAND

RIVER BASIN (MAJOR) TENNESSEE RIVER (MINOR) MAIN STEM

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 0.4 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/20 - 01/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100 *
BARIUM	(BA)	0.0100
BISMUTH	(BI)	0.0060 *
CADMIUM	(CD)	0.0040 *
CHROMIUM	(CR)	0.0010 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0400
LEAD	(PB)	0.0060 *
MANGANESE	(MN)	0.0060
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.60 *
BERYLLIUM	(BE)	0.00006 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		016.0
CHLORIDES	(CL)	012.8
FLUORIDE	(F)	00.1
HARDNESS		088.
MAGNESIUM	(MG)	012.00
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	020.00
SULFATES	(SO4)	036.1
TOT.DISS.SOLIDS		0134.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0068.
CARBON ALCOHOL EXTRACTABLES	0121.

* LESS THAN VALUE SHOWN

CITY-FORT LAUDERDALE (POP. 83,648) STATE-FLA. 42011

DIXIE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 110 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) FLORIDA EAST COASTAL AREA

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 14 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 44

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/19 - 10/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100 *
BARIUM	(BA)	0.0030 *
BISMUTH	(BI)	0.0060 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0010
COBALT	(CO)	0.0030 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0030
LEAD	(PB)	0.0060 *
MANGANESE	(MN)	0.0030 *
MOLYBDENUM	(MO)	0.0030 *
NICKEL	(NI)	0.0030 *
TIN	(SN)	0.0030 *
VANADIUM	(V)	0.0030 *
ZINC	(ZN)	0.03 *
BERYLLIUM	(BE)	0.00060 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		023.0
CHLORIDES	(CL)	032.0
FLUORIDE	(F)	00.3
HARDNESS		072.
MAGNESIUM	(MG)	003.40
NITRATES	(NO3)	00.4
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	012.00
SULFATES	(SO4)	009.0
TOT.DISS.SOLIDS		0098.0
PH		
COLOR	(S.U.)	03.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.55

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	003.0
SUSPENDED	03.0

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0067.
CARBON ALCOHOL EXTRACTABLES	0086.

* LESS THAN VALUE SHOWN

CITY-FORT LAUDERDALE (POP. 83,648) STATE-FLA. 42012

FIVEASH PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 110 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) FLORIDA EAST COASTAL AREA

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 16 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 56%

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/19 - 10/03, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100	*
BARIUM	(BA)	0.0030	*
BISMUTH	(BI)	0.0070	*
CADMIUM	(CD)	0.0030	*
CHROMIUM	(CR)	0.0010	*
COBALT	(CO)	0.0030	*
COPPER	(CU)	0.00100	
IRON	(FE)	0.0030	
LEAD	(PB)	0.0070	*
MANGANESE	(MN)	0.0030	*
MOLYBEDENUM	(MO)	0.0030	*
NICKEL	(NI)	0.0030	*
TIN	(SN)	0.0030	*
VANADIUM	(V)	0.0030	*
ZINC	(ZN)	0.03	*
BERYLLIUM	(BE)	0.00070	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		026.0	
CHLORIDES	(CL)	046.0	
FLUORIDE	(F)	00.2	
HARDNESS		076.	
MAGNESIUM	(MG)	002.40	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	015.00	
SULFATES	(SO4)	012.5	
TOT.DISS.SOLIDS		0088.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.30	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0	*
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0065.
CARBON ALCOHOL EXTRACTABLES	0104.

* LESS THAN VALUE SHOWN

CITY-MIAMI (POP. 291,688) STATE-FLA. 42021

HIALEAH PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 560 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) LOWER FLORIDA AREA

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION & SOFTENING

DESIGN CAPACITY 60 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 65

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

11/08 - 11/22, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0080
BISMUTH	(BI)	0.0030 *
CADMIUM	(CD)	0.0008
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00400
IRON	(FE)	
LEAD	(PB)	0.0020
MANGANESE	(MN)	0.0003 *
MOLYBEDENUM	(MO)	0.0080 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00004 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.120
ARSENIC	(AS)	0.010 *
BORON	(B)	0.110
CALCIUM		022.0
CHLORIDES	(CL)	036.0
FLUORIDE	(F)	01.1
HARDNESS		074.
MAGNESIUM	(MG)	004.60
NITRATES	(NO3)	00.6
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	022.00
SULFATES	(SO4)	021.0
TOT.DISS.SOLIDS		0187.0
PH		
COLOR	(S.U.)	11.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0 *	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0066.
CARBON ALCOHOL EXTRACTABLES	0180.

* LESS THAN VALUE SHOWN

CITY-MIAMI (POP. 291,688) STATE-FLA. 42022

ORR PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 560 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST

(MINOR) LOWER FLORIDA AREA

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION & SOFTENING

DESIGN CAPACITY 80 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 35

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

11/08 - 11/22, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0070
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0005
CHROMIUM	(CR)	0.0010 *
COBALT	(CO)	0.0010 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0100
LEAD	(PB)	0.0020
MANGANESE	(MN)	0.0002 *
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0010 *
TIN	(SN)	
VANADIUM	(V)	0.0010 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00002 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010
ARSENIC	(AS)	0.010 *
BORON	(B)	0.120
CALCIUM		020.0
CHLORIDES	(CL)	018.0
FLUORIDE	(F)	01.2
HARDNESS		066.
MAGNESIUM	(MG)	003.60
NITRATES	(NO3)	00.3
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	008.00
SULFATES	(SO4)	021.0
TOT.DISS.SOLIDS		0011.5
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	003.0 *
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0032.
CARBON ALCOHOL EXTRACTABLES	0167.

* LESS THAN VALUE SHOWN

CITY-TAMPA (POP. 274,970) STATE-FLA. 42030

OWNERSHIP PUBLIC

POPULATION SERVED 275 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) TAMPA BAY AREA

SOURCE RIVER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 40 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/18 - 10/03, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0050 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0050
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		036.0
CHLORIDES	(CL)	009.0
FLUORIDE	(F)	00.2
HARDNESS		108.
MAGNESIUM	(MG)	004.30
NITRATES	(NO3)	00.4
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	010.00
SULFATES	(SO4)	045.0
TOT.DISS.SOLIDS		0225.0
PH		
COLOR	(S.U.)	03.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.50

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	010.0
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0131.
CARBON ALCOHOL EXTRACTABLES	0191.

* LESS THAN VALUE SHOWN

CITY-ATLANTA STATE-GA. 43011

(POP. 487,455)

CHATTAHOOCHEE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) CHATTAHOOCHEE RIVER

SOURCE RIVER, IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 20 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 18

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/13 - 03/29, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0030	*
BARIUM (BA)	0.0007	*
BISMUTH (BI)	0.0020	*
CADMIUM (CD)	0.0010	*
CHROMIUM (CR)	0.0003	*
COBALT (CO)	0.0007	*
COPPER (CU)	0.00200	
IRON (FE)	0.0070	
LEAD (PB)	0.0020	*
MANGANESE (MN)	0.0010	*
MOLYBEDENUM (MO)	0.0007	*
NICKEL (NI)	0.0007	*
TIN (SN)	0.0007	*
VANADIUM (V)	0.0007	*
ZINC (ZN)	0.20	*
BERYLLIUM (BE)	0.00002	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	*
ARSENIC	(AS)	0.010	*
BORON	(B)	0.110	
CALCIUM		008.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.0	
HARDNESS		032.	
MAGNESIUM	(MG)	002.90	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.50	
SULFATES	(SO4)		
TOT. DISS. SOLIDS		0033.5	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.10	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	007.9	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0061.
CARBON ALCOHOL EXTRACTABLES	0103.

* LESS THAN VALUE SHOWN

CITY-ATLANTA (POP. 487,455) STATE-GA. 43012

HEMPHILL PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) CHATTANOOGA

SOURCE RIVER, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 72 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 82

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/17 - 01/02, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0130
BISMUTH	(BI)	0.0010 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0020
COBALT	(CO)	0.0060 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0040
LEAD	(PB)	0.0030
MANGANESE	(MN)	0.0180
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0030 *
TIN	(SN)	
VANADIUM	(V)	0.0030 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00001 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		010.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.0
HARDNESS		030.
MAGNESIUM	(MG)	001.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0030.0
PH		
COLOR	(S.U.)	05. *
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.10

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	008.8	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0041.
CARBON ALCOHOL EXTRACTABLES	0201.

* LESS THAN VALUE SHOWN

CITY-COLUMBUS (POP. 116,779) STATE-GA. 43030

OWNERSHIP PUBLIC

POPULATION SERVED 150 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) CHATTANOOGA RIVER

SOURCE RIVER, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 36 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/10 - 01/28, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0190	
BISMUTH (BI)	0.0020	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0110	
COBALT (CO)	0.0080	*
COPPER (CU)	0.01400	
IRON (FE)	0.0330	
LEAD (PB)	0.0040	*
MANGANESE (MN)	0.0230	
MOLYBDENUM (MO)	0.0020	*
NICKEL (NI)	0.0040	*
TIN (SN)		
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.01	
BERYLLIUM (BE)	0.00002	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.040	
CALCIUM		010.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.0	
HARDNESS		036.	
MAGNESIUM	(MG)	002.90	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	005.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	011.8	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0108.
CARBON ALCOHOL EXTRACTABLES	0185.

* LESS THAN VALUE SHOWN

CITY-GREENVILLE (POP. 41,502) STATE-MISS. 44010

OWNERSHIP PUBLIC

POPULATION SERVED 46 THOUSAND

RIVER BASIN (MAJOR)

(MINOR)

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 12.8 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/25 - 11/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS			
ARSENIC	(AS)	0.010	*
BORON	(B)	0.740	
CALCIUM		001.2	
CHLORIDES	(CL)	050.0	
FLUORIDE	(F)	00.5	
HARDNESS		006.	
MAGNESIUM	(MG)	000.80	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	149.00	
SULFATES	(SO4)	001.4	
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)	70.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	02.00	*

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0	*
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB	
CARBON CHLOROFORM EXTRACTABLES	0071.	
CARBON ALCOHOL EXTRACTABLES	0090.	

* LESS THAN VALUE SHOWN

CITY-VICKSBURG (POP. 29,130) STATE-MISS. 44030

OWNERSHIP PUBLIC

POPULATION SERVED 41 THOUSAND

RIVER BASIN (MAJOR) MISSISSIPPI RIVER (MINOR) YAZOO RIVER

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 10 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/13 - 08/28, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0060	*
CHROMIUM (CR)	0.0030	*
COBALT (CO)	0.0060	*
COPPER (CU)	0.01000	
IRON (FE)	0.0800	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0060	*
MOLYBEDENUM (MO)	0.0060	*
NICKEL (NI)	0.0060	*
TIN (SN)	0.0060	*
VANADIUM (V)	0.0060	*
ZINC (ZN)	0.06	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		041.0
CHLORIDES	(CL)	027.0
FLUORIDE	(F)	00.3
HARDNESS		154.
MAGNESIUM	(MG)	013.00
NITRATES	(NO3)	04.4
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	016.00
SULFATES	(SO4)	056.5
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	011.4	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0058.
CARBON ALCOHOL EXTRACTABLES	0096.

* LESS THAN VALUE SHOWN

CITY-JACKSON (POP. 144,422) STATE-MISS. 44020

OWNERSHIP PUBLIC

POPULATION SERVED 144 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) PEARL RIVER

SOURCE RIVER RAW WATER CAPACITY RANGE 10 - 100 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 37 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/20 - 01/04, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0060	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0030	*
CADMIUM (CD)	0.0020	*
CHROMIUM (CR)	0.0010	
COBALT (CO)	0.0010	*
COPPER (CU)	0.00300	
IRON (FE)	0.0500	
LEAD (PB)	0.0030	*
MANGANESE (MN)	0.0600	
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0010	
TIN (SN)	0.0010	*
VANADIUM (V)	0.0010	*
ZINC (ZN)	0.30	*
BERYLLIUM (BE)	0.00003	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.090	
CALCIUM		013.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.1	
HARDNESS		044.	
MAGNESIUM	(MG)	001.90	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	001.80	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0122.
CARBON ALCOHOL EXTRACTABLES	0163.

* LESS THAN VALUE SHOWN

CITY-CHARLESTON (POP. 65,925) STATE-S.C. 45010

OWNERSHIP PUBLIC

POPULATION SERVED 160 THOUSAND

RIVER BASIN (MAJOR) EDISTO (MINOR)

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 24 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/11 - 02/26, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0130
BISMUTH	(BI)	0.0010 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0070 *
COPPER	(CU)	0.04100
IRON	(FE)	0.0320
LEAD	(PB)	0.0030 *
MANGANESE	(MN)	0.0025
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0030 *
TIN	(SN)	
VANADIUM	(V)	0.0030 *
ZINC	(ZN)	0.02
BERYLLIUM	(BE)	0.00002 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		007.2
CHLORIDES	(CL)	009.5
FLUORIDE	(F)	00.0
HARDNESS		026.
MAGNESIUM	(MG)	001.90
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	019.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0083.0
PH		
COLOR	(S.U.)	10.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	014.8
SUSPENDED	01.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0118.
CARBON ALCOHOL EXTRACTABLES	0117.

* LESS THAN VALUE SHOWN

CITY-GREENVILLE (POP. 66, 188) STATE-S.C. 45020

OWNERSHIP PUBLIC

POPULATION SERVED 165 THOUSAND

RIVER BASIN (MAJOR) SOUTHEAST (MINOR) CONGAREE RIVER

SOURCE IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 1,000 + MG

TREATMENT DISINFECTION

DESIGN CAPACITY 49 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/07 - 02/22, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0260	
BISMUTH (BI)	0.0010	*
CADMIUM (CD)	0.0030	
CHROMIUM (CR)	0.0010	
COBALT (CO)	0.0030	*
COPPER (CU)	0.07000	
IRON (FE)	0.2730	
LEAD (PB)	0.0030	
MANGANESE (MN)	0.0530	
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0080	
TIN (SN)		
VANADIUM (V)	0.0020	*
ZINC (ZN)	0.90	*
BERYLLIUM (BE)	0.00001	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.020	
CALCIUM		003.2	
CHLORIDES	(CL)	003.6	
FLUORIDE	(F)	00.0	
HARDNESS		012.	
MAGNESIUM	(MG)	001.00	
NITRATES	(NO3)	00.3	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	006.50	
SULFATES	(SO4)		
TOT.DISS.SOLIDS		0040.6	
PH			
COLOR	(S.U.)	10.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	009.6
SUSPENDED	03.2

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0036.
CARBON ALCOHOL EXTRACTABLES	0048.

* LESS THAN VALUE SHOWN

CITY-NORTH AUGUSTA (POP. 10,348) STATE-S.C. 45030

OWNERSHIP PUBLIC

POPULATION SERVED 13.2 THOUSAND

RIVER BASIN (MAJOR)

(MINOR) SAVANNAH RIVER

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 2 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/19 - 12/31, 1961

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0070 *
BARIUM	(BA)	0.0300
BISMUTH	(BI)	0.0030 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0007 *
COBALT	(CO)	0.0010 *
COPPER	(CU)	0.00070
IRON	(FE)	0.0100
LEAD	(PB)	0.0030 *
MANGANESE	(MN)	0.0700
MOLYBEDENUM	(MO)	0.0010 *
NICKEL	(NI)	0.0010 *
TIN	(SN)	0.0010 *
VANADIUM	(V)	0.0010 *
ZINC	(ZN)	0.30 *
BERYLLIUM	(BE)	0.00003 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		009.0
CHLORIDES	(CL)	005.8
FLUORIDE	(F)	00.2
HARDNESS		034.
MAGNESIUM	(MG)	003.00
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.50
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0048.5
PH		
COLOR	(S.U.)	10.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0128.

CARBON ALCOHOL EXTRACTABLES 0202.

* LESS THAN VALUE SHOWN

CITY=CHATTANOOGA (POP. 130,000) STATE=TENN. 46010

OWNERSHIP PRIVATE

POPULATION SERVED 230 THOUSAND

RIVER BASIN (MAJOR) TENNESSEE (MINOR) MAIN STEM

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 54 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/25 - 02/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.110
CALCIUM		025.0
CHLORIDES	(CL)	014.0
FLUORIDE	(F)	00.2
HARDNESS		094.
MAGNESIUM	(MG)	007.80
NITRATES	(NO3)	01.7
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	009.50
SULFATES	(SO4)	001.6
TOT.DISS.SOLIDS		0116.0
PH		
COLOR	(S.U.)	10.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	014.0
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0081.
CARBON ALCOHOL EXTRACTABLES	0092.

* LESS THAN VALUE SHOWN

CITY-CLARKSVILLE (POP. 22,021) STATE-TENN. 46020

OWNERSHIP PUBLIC

POPULATION SERVED 22 THOUSAND

RIVER BASIN (MAJOR) OHIO RIVER (MINOR) CUMBERLAND

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 4 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/03 - 02/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0080 *
BARIUM	(BA)	0.0080
BISMUTH	(BI)	0.0040 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0008 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00300
IRON	(FE)	0.0040
LEAD	(PB)	0.0040 *
MANGANESE	(MN)	0.0030 *
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.40 *
BERYLLIUM	(BE)	0.00004 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.070
CALCIUM		026.0
CHLORIDES	(CL)	004.0
FLUORIDE	(F)	00.9
HARDNESS		094.
MAGNESIUM	(MG)	006.80
NITRATES	(NO3)	02.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	004.10
SULFATES	(SO4)	022.0
TOT.DISS.SOLIDS		0116.0
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	008.4
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0056.
CARBON ALCOHOL EXTRACTABLES	0169.

* LESS THAN VALUE SHOWN

CITY-KNOXVILLE (POP. 180,000) STATE-TENN. 46030

OWNERSHIP PUBLIC

POPULATION SERVED 175 THOUSAND

RIVER BASIN (MAJOR) TENNESSEE RIVER (MINOR) MAIN STEM

SOURCE RIVER, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 25 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/06 - 02/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0060	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0010	*
COBALT (CO)	0.0030	*
COPPER (CU)	0.04000	
IRON (FE)	0.0400	
LEAD (PB)	0.0060	
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0080	
NICKEL (NI)	0.0030	*
TIN (SN)	0.0030	*
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.60	*
BERYLLIUM (BE)	0.00006	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.000	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.110	
CALCIUM		039.0	
CHLORIDES	(CL)	031.0	
FLUORIDE	(F)	00.2	
HARDNESS		126.	
MAGNESIUM	(MG)	006.30	
NITRATES	(NO3)	02.9	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	009.00	
SULFATES	(SO4)	029.0	
TOT.DISS.SOLIDS		0183.0	
PH			
COLOR	(S.U.)	03.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	007.8	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0083.
CARBON ALCOHOL EXTRACTABLES	0174.

* LESS THAN VALUE SHOWN

REGION FIVE

Illinois
Indiana
Michigan
Ohio
Wisconsin

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CITY-CAIRO (POP. 9,348) STATE-ILL. 51010

OWNERSHIP PRIVATE

RIVER BASIN (MAJOR) OHIO (MINOR) MAIN STREAM

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 4 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

POPULATION SERVED 10 THOUSAND

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/29 - 07/13, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0060 *
COPPER	(CU)	0.00500
IRON	(FE)	0.0100
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0060 *
MOLYBEDENUM	(MO)	0.0060 *
NICKEL	(NI)	0.0060 *
TIN	(SN)	0.0060 *
VANADIUM	(V)	0.0060 *
ZINC	(ZN)	0.06 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050
ARSENIC	(AS)	0.010 *
BORON	(B)	0.100
CALCIUM		040.0
CHLORIDES	(CL)	018.0
FLUORIDE	(F)	00.4
HARDNESS		144.
MAGNESIUM	(MG)	011.00
NITRATES	(NO3)	02.6
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	012.00
SULFATES	(SO4)	036.0
TOT.DISS.SOLIDS		0180.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	001.0 *	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0055.
CARBON ALCOHOL EXTRACTABLES	0074.

* LESS THAN VALUE SHOWN

CITY-CHESTER (POP. 4,460) STATE-ILL. 51020

OWNERSHIP PUBLIC

POPULATION SERVED 5.4 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) MISSISSIPPI-CAPE GIRARDEAU AREA

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 2 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/25 - 07/10, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00700
IRON	(FE)	0.0500
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.110
CALCIUM		029.0
CHLORIDES	(CL)	025.0
FLUORIDE	(F)	01.4
HARDNESS		112.
MAGNESIUM	(MG)	009.70
NITRATES	(NO3)	01.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	015.00
SULFATES	(SO4)	028.0
TOT.DISS.SOLIDS		0170.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0052.
CARBON ALCOHOL EXTRACTABLES	0123.

* LESS THAN VALUE SHOWN

CITY-ROCK ISLAND (POP. 51,863) STATE-ILL. 51040

OWNERSHIP PUBLIC

POPULATION SERVED 53 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI

(MINOR) MISSISSIPPI - WAPSIPINICON

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 15 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/08 - 01/26, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300 *
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0080 *
CHROMIUM	(CR)	0.0030 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00080 *
IRON	(FE)	0.0500
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0100
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	1.00 *
BERYLLIUM	(BE)	0.00010 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		054.0
CHLORIDES	(CL)	014.0
FLUORIDE	(F)	00.2
HARDNESS		256.
MAGNESIUM	(MG)	029.00
NITRATES	(NO3)	01.3
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.50
SULFATES	(SO4)	058.0
TOT.DISS.SOLIDS		
PH		8.1
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0037.
CARBON ALCOHOL EXTRACTABLES	0230.

* LESS THAN VALUE SHOWN

CITY-EAST ST. LOUIS (POP. 81,712) STATE-ILL. 51050

OWNERSHIP PRIVATE

POPULATION SERVED 250 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) MISSISSIPPI - ST. LOUIS AREA

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 45 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/25 - 07/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0150	*
CADMIUM (CD)	0.0080	*
CHROMIUM (CR)	0.0030	*
COBALT (CO)	0.0080	*
COPPER (CU)	0.00900	
IRON (FE)	0.0080	*
LEAD (PB)	0.0150	*
MANGANESE (MN)	0.0080	*
MOLYBEDENUM (MO)	0.0080	*
NICKEL (NI)	0.0080	*
TIN (SN)	0.0080	*
VANADIUM (V)	0.0080	*
ZINC (ZN)	0.08	*
BERYLLIUM (BE)	0.00200	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.100	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.100	
CALCIUM		054.0	
CHLORIDES	(CL)	016.0	
FLUORIDE	(F)	00.5	
HARDNESS		208.	
MAGNESIUM	(MG)	017.00	
NITRATES	(NO3)	02.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	009.00	
SULFATES	(SO4)	034.0	
TOT.DISS.SOLIDS		0240.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0081.
CARBON ALCOHOL EXTRACTABLES	0136.

* LESS THAN VALUE SHOWN

CITY-ELKHART (POP. 40,274) STATE-IND. 52010

OWNERSHIP PUBLIC

POPULATION SERVED 40 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) ST. JOSEPH RIVER

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 13 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/19 - 03/05, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0070	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.02000	
IRON (FE)	0.1000	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.2000	
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	1.00	*
BERYLLIUM (BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		055.0	
CHLORIDES	(CL)	007.0	
FLUORIDE	(F)	00.9	
HARDNESS		248.	
MAGNESIUM	(MG)	027.00	
NITRATES	(NO3)	00.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.00	
SULFATES	(SO4)	033.0	
TOT.DISS.SOLIDS		0281.0	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0	*
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0026.
CARBON ALCOHOL EXTRACTABLES	0112.

* LESS THAN VALUE SHOWN

CITY-EVANSVILLE STATE-IND. 52020

(POP. 143,000)

OWNERSHIP PUBLIC

POPULATION SERVED 152 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) MAIN STEM

SOURCE RIVER RAW WATER CAPACITY RANGE 100 - 1,000 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 36 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/21. 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0200	*
CADMIUM (CD)	0.0090	*
CHROMIUM (CR)	0.0090	
COBALT (CO)	0.0090	*
COPPER (CU)	0.02000	
IRON (FE)	0.0300	
LEAD (PB)	0.0200	
MANGANESE (MN)	0.0090	
MOLYBEDENUM (MO)	0.0090	*
NICKEL (NI)	0.0090	*
TIN (SN)	0.0090	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.09	*
BERYLLIUM (BE)	0.00200	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.110	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.020	
CALCIUM		045.0	
CHLORIDES	(CL)	030.0	
FLUORIDE	(F)	00.2	
HARDNESS		156.	
MAGNESIUM	(MG)	011.00	
NITRATES	(NO3)	01.7	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	016.00	
SULFATES	(SO4)	073.0	
TOT.DISS.SOLIDS		0279.0	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.10	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	004.0	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0121.
CARBON ALCOHOL EXTRACTABLES	0175.

* LESS THAN VALUE SHOWN

CITY-INDIANAPOLIS (POP. 476,258) STATE-IND. 52031

WHITE RIVER PLANT

OWNERSHIP PRIVATE

POPULATION SERVED 515 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) WEST FORK WHITE RIVER

SOURCE RIVER, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE 7,000 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 84 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 61

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/16 - 05/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0400 *
BARIUM	(BA)	0.0400
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0100 *
CHROMIUM	(CR)	0.0040
COBALT	(CO)	0.0100 *
COPPER	(CU)	0.10000
IRON	(FE)	0.0100 *
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.0100 *
MOLYBEDENUM	(MO)	0.0100 *
NICKEL	(NI)	0.0200
TIN	(SN)	0.0100 *
VANADIUM	(V)	0.0100 *
ZINC	(ZN)	0.10 *
BERYLLIUM	(BE)	0.00200 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.350
ARSENIC	(AS)	0.010 *
BORON	(B)	0.150
CALCIUM		076.0
CHLORIDES	(CL)	031.0
FLUORIDE	(F)	01.1
HARDNESS		320.
MAGNESIUM	(MG)	031.00
NITRATES	(NO3)	01.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	017.00
SULFATES	(SO4)	068.0
TOT. DISS. SOLIDS		0440.0
PH		
COLOR	(S.U.)	05. *
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	02.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	012.1
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0213.
CARBON ALCOHOL EXTRACTABLES	0131.

* LESS THAN VALUE SHOWN

CITY-INDIANAPOLIS STATE-IND. 52032
(POP. 476,258)
FALL CREEK PLANT

OWNERSHIP PRIVATE

POPULATION SERVED 515 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) WEST FORK WHITE RIVER

SOURCE STREAM, IMPOUNDED RESERVOIR, GROUND WATER

RAW WATER CAPACITY RANGE 7,000 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 32 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 39

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/14 - 05/29, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300	*
BARIUM	(BA)	0.0200	
BISMUTH	(BI)	0.0200	*
CADMIUM	(CD)	0.0090	*
CHROMIUM	(CR)	0.0030	*
COBALT	(CO)	0.0060	*
COPPER	(CU)	0.30000	
IRON	(FE)	0.2000	
LEAD	(PB)	0.0200	*
MANGANESE	(MN)	0.0100	*
MOLYBEDENUM	(MO)	0.0100	
NICKEL	(NI)	0.0050	*
TIN	(SN)	0.0060	*
VANADIUM	(V)	0.0060	*
ZINC	(ZN)	2.00	*
BERYLLIUM	(BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.150	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.150	
CALCIUM		055.0	
CHLORIDES	(CL)	019.0	
FLUORIDE	(F)	01.0	
HARDNESS		240.	
MAGNESIUM	(MG)	026.00	
NITRATES	(NO3)	00.8	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	008.50	
SULFATES	(SO4)	033.0	
TOT.DISS.SOLIDS		0298.0	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	02.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	015.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB	
CARBON CHLOROFORM EXTRACTABLES	0136.	
CARBON ALCOHOL EXTRACTABLES	0152.	

* LESS THAN VALUE SHOWN

CITY-MUNCIE (POP. 72,000) STATE-IND. 52040

OWNERSHIP PRIVATE

POPULATION SERVED 80 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) EAST FORK WHITE RIVER

SOURCE RIVER, IMPOUNDED RESERVOIR, GROUND WATER

RAW WATER CAPACITY RANGE 1,000 + MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 19 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/24 - 06/07, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0400 *
BARIUM	(BA)	0.0400
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0100 *
CHROMIUM	(CR)	0.0040 *
COBALT	(CO)	0.0100 *
COPPER	(CU)	0.00400
IRON	(FE)	0.0100 *
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.0100 *
MOLYBEDENUM	(MO)	0.0100 *
NICKEL	(NI)	0.0100 *
TIN	(SN)	0.0100 *
VANADIUM	(V)	0.0100 *
ZINC	(ZN)	0.10 *
BERYLLIUM	(BE)	0.00200 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.160
ARSENIC	(AS)	0.010 *
BORON	(B)	0.040
CALCIUM		072.0
CHLORIDES	(CL)	023.0
FLUORIDE	(F)	01.4
HARDNESS		300.
MAGNESIUM	(MG)	029.00
NITRATES	(NO3)	00.5
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	012.00
SULFATES	(SO4)	060.0
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	019.0	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0124.
CARBON ALCOHOL EXTRACTABLES	0141.

* LESS THAN VALUE SHOWN

CITY-ANN ARBOR (POP. 67,340) STATE-MICH. 53010

OWNERSHIP PUBLIC

POPULATION SERVED 78 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) LAKE ERIE-WESTERN SHORE

SOURCE RIVER, IMPOUNDED RESERVOIR, GROUND WATER

RAW WATER CAPACITY RANGE 100-1,000 MGD

TREATMENT PURIFICATION, SOFTENING, DISINFECTION, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 18 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/10 - 10/03, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0050 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00100
IRON	(FE)	0.0050
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0070
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		022.0
CHLORIDES	(CL)	018.0
FLUORIDE	(F)	01.1
HARDNESS		092.
MAGNESIUM	(MG)	008.70
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	017.00
SULFATES	(SO4)	042.0
TOT.DISS.SOLIDS		0152.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *
BETA ACTIVITY	
DISSOLVED	003.0
SUSPENDED	01.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0046.
CARBON ALCOHOL EXTRACTABLES	0098.

* LESS THAN VALUE SHOWN

CITY-WASHINGTON (POP. 10,846) STATE-IND. 52050

OWNERSHIP PUBLIC

POPULATION SERVED 13 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) WEST FORK WHITE RIVER

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION,DISINFECTION,IRON & MANGANES REMOVAL

DESIGN CAPACITY 2 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0400 *
BARIUM	(BA)	0.0100
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0100 *
CHROMIUM	(CR)	0.0100 *
COBALT	(CO)	0.0100 *
COPPER	(CU)	0.02000
IRON	(FE)	0.1000
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.1000
MOLYBEDENUM	(MO)	0.0100 *
NICKEL	(NI)	0.0100 *
TIN	(SN)	0.0100 *
VANADIUM	(V)	0.0100 *
ZINC	(ZN)	0.10 *
BERYLLIUM	(BE)	0.00200 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		077.0
CHLORIDES	(CL)	012.0
FLUORIDE	(F)	00.1
HARDNESS		292.
MAGNESIUM	(MG)	024.00
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	008.00
SULFATES	(SO4)	043.0
TOT.DISS.SOLIDS		0366.0
PH		
COLOR	(S.U.)	05. *
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	00.0
SUSPENDED	00.1
BETA ACTIVITY	
DISSOLVED	000.1
SUSPENDED	00.0

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0029.
CARBON ALCOHOL EXTRACTABLES	0058.

* LESS THAN VALUE SHOWN

CITY-BAY CITY (POP. 53,604) STATE-MICH. 53020

OWNERSHIP PUBLIC

POPULATION SERVED 70 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) SAGINAW RIVER

SOURCE LAKE RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 20 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/04 - 04/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0030	*
BISMUTH	(BI)	0.0090	*
CADMIUM	(CD)	0.0050	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0030	*
COPPER	(CU)	0.00500	
IRON	(FE)	0.0100	
LEAD	(PB)	0.0090	*
MANGANESE	(MN)	0.0070	
MOLYBEDENUM	(MO)	0.0050	
NICKEL	(NI)	0.0030	*
TIN	(SN)	0.0030	*
VANADIUM	(V)	0.0030	*
ZINC	(ZN)	0.90	*
BERYLLIUM	(BE)	0.00009	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.100	
CALCIUM		080.0	
CHLORIDES	(CL)	050.0	
FLUORIDE	(F)	00.8	
HARDNESS		110.	
MAGNESIUM	(MG)	008.70	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	026.00	
SULFATES	(SO4)	033.0	
TOT.DISS.SOLIDS		0116.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	02.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	016.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0070.
CARBON ALCOHOL EXTRACTABLES	0098.

* LESS THAN VALUE SHOWN

CITY-MONROE (POP. 22,669) STATE-MICH. 53030

OWNERSHIP PUBLIC

POPULATION SERVED 27 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES

(MINOR) LAKE ERIE-WESTERN SHORE

SOURCE LAKE ERIE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 8 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/17 - 10/02, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0050 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00100
IRON	(FE)	0.0060
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		036.0
CHLORIDES	(CL)	026.0
FLUORIDE	(F)	01.0
HARDNESS		128.
MAGNESIUM	(MG)	009.20
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	017.00
SULFATES	(SO4)	028.0
TOT.DISS.SOLIDS		0186.0
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *
BETA ACTIVITY	
DISSOLVED	003.0
SUSPENDED	01.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0056.
CARBON ALCOHOL EXTRACTABLES	0130.

* LESS THAN VALUE SHOWN

CITY-MUSKEGON (POP. 46,485) STATE-MICH. 53040

OWNERSHIP PUBLIC

POPULATION SERVED 62.2 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) LAKE SUPERIOR

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 16.6 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/06 - 04/23, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100 *
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0060 *
CADMIUM	(CD)	0.0040 *
CHROMIUM	(CR)	0.0020
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00090
IRON	(FE)	0.0200
LEAD	(PB)	0.0060 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0050
ZINC	(ZN)	0.60 *
BERYLLIUM	(BE)	0.00006 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.080
CALCIUM		036.0
CHLORIDES	(CL)	010.0
FLUORIDE	(F)	00.8
HARDNESS		137.
MAGNESIUM	(MG)	011.00
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.00
SULFATES	(SO4)	027.0
TOT.DISS.SOLIDS		0180.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	007.3	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0040.
CARBON ALCOHOL EXTRACTABLES	0104.

* LESS THAN VALUE SHOWN

CITY-PORT HURON (POP. 36,084) STATE-MICH. 53050

OWNERSHIP PUBLIC

POPULATION SERVED 39 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) ST. CLAIR - DETROIT RIVERS

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 22 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/17 - 09/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0040	
BISMUTH (BI)	0.0080	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0030	
COBALT (CO)	0.0040	*
COPPER (CU)	0.00800	
IRON (FE)	0.2500	
LEAD (PB)	0.0080	*
MANGANESE (MN)	0.0040	
MOLYBDENUM (MO)	0.0040	*
NICKEL (NI)	0.0040	*
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.20	
BERYLLIUM (BE)	0.00080	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	*
ARSENIC	(AS)	0.010	*
BORON	(B)	0.000	
CALCIUM		027.0	
CHLORIDES	(CL)	007.0	
FLUORIDE	(F)	00.1	
HARDNESS		104.	
MAGNESIUM	(MG)	008.70	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	003.00	
SULFATES	(SO4)	013.0	
TOT.DISS.SOLIDS		0134.0	
PH			
COLOR	(S.U.)	05.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	17.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	004.0	
SUSPENDED	02.0	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0026.
CARBON ALCOHOL EXTRACTABLES	0070.

* LESS THAN VALUE SHOWN

CITY-SAULT STE. MARIE (POP. 18,722) STATE-MICH. 53060

OWNERSHIP PUBLIC

POPULATION SERVED 18 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES

(MINOR) LAKE SUPERIOR - SAULT ST. MARIE RIVER

SOURCE RIVER, LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 6 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/03 - 04/19, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0020	*
BARIUM (BA)	0.0020	
BISMUTH (BI)	0.0010	*
CADMIUM (CD)	0.0006	*
CHROMIUM (CR)	0.0002	*
COBALT (CO)	0.0004	*
COPPER (CU)	0.04000	
IRON (FE)	0.1000	
LEAD (PB)	0.0010	*
MANGANESE (MN)	0.0010	
MOLYBEDENUM (MO)	0.0004	*
NICKEL (NI)	0.0004	*
TIN (SN)	0.0004	*
VANADIUM (V)	0.0004	*
ZINC (ZN)	0.10	*
BERYLLIUM (BE)	0.00001	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.040	
CALCIUM		015.0	
CHLORIDES	(CL)	00[illegible].0	
FLUORIDE	(F)	01.1	
HARDNESS		046.	
MAGNESIUM	(MG)	001.90	
NITRATES	(NO3)	00.1	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	002.20	
SULFATES	(SO4)	002.0	
TOT.DISS.SOLIDS		0052.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	05.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0039.
CARBON ALCOHOL EXTRACTABLES	0094.

* LESS THAN VALUE SHOWN

CITY-AKRON (POP. 290,351) STATE-OHIO 54010

OWNERSHIP PUBLIC

POPULATION SERVED 323 THOUSAND

RIVER BASIN (MAJOR) LAKE ERIE (MINOR) CUYAHOGA

SOURCE RIVER, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE 120 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 65 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/19 - 03/04, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0080 *
CADMIUM	(CD)	0.0050 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0030 *
COPPER	(CU)	0.00200
IRON	(FE)	0.1000
LEAD	(PB)	0.0080 *
MANGANESE	(MN)	0.1000
MOLYBEDENUM	(MO)	0.0030 *
NICKEL	(NI)	0.0030 *
TIN	(SN)	0.0030 *
VANADIUM	(V)	0.0030 *
ZINC	(ZN)	0.80 *
BERYLLIUM	(BE)	0.00008 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.060
ARSENIC	(AS)	0.010 *
BORON	(B)	0.110
CALCIUM		042.0
CHLORIDES	(CL)	016.0
FLUORIDE	(F)	00.2
HARDNESS		150.
MAGNESIUM	(MG)	011.00
NITRATES	(NO3)	00.5
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	007.00
SULFATES	(SO4)	055.0
TOT.DISS.SOLIDS		0213.0
PH		
COLOR	(S.U.)	04.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	02.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	015.0	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0090.
CARBON ALCOHOL EXTRACTABLES	0209.

* LESS THAN VALUE SHOWN

CITY-CINCINNATI (POP. 502,550) STATE-OHIO 54020

OWNERSHIP PUBLIC

POPULATION SERVED 850 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) MAIN STEM

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 160 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300 *
BARIUM	(BA)	0.0900
BISMUTH	(BI)	0.0160 *
CADMIUM	(CD)	0.0080 *
CHROMIUM	(CR)	0.0080
COBALT	(CO)	0.0080 *
COPPER	(CU)	0.04000
IRON	(FE)	0.0300
LEAD	(PB)	0.0160 *
MANGANESE	(MN)	0.0080 *
MOLYBEDENUM	(MO)	0.0080 *
NICKEL	(NI)	0.0080 *
TIN	(SN)	0.0080 *
VANADIUM	(V)	0.0080 *
ZINC	(ZN)	0.08 *
BERYLLIUM	(BE)	0.00200 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.060
ARSENIC	(AS)	0.010 *
BORON	(B)	0.140
CALCIUM		042.0
CHLORIDES	(CL)	045.0
FLUORIDE	(F)	00.3
HARDNESS		148.
MAGNESIUM	(MG)	010.00
NITRATES	(NO3)	00.6
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	034.00
SULFATES	(SO4)	113.0
TOT.DISS.SOLIDS		0311.0
PH		
COLOR	(S.U.)	02.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	02.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	01.0 *
SUSPENDED	01.0 *
BETA ACTIVITY	
DISSOLVED	005.0
SUSPENDED	01.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0106.
CARBON ALCOHOL EXTRACTABLES	0130.

* LESS THAN VALUE SHOWN

CITY-LIMA STATE-OHIO 54030

(POP. 51,037)

OWNERSHIP PUBLIC

POPULATION SERVED 58 THOUSAND

RIVER BASIN (MAJOR) LAKE ERIE (MINOR) MAUMEE

SOURCE STREAM, CREEK RAW WATER CAPACITY RANGE 1,000 / MG

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 13.3 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0050	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0050	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0050	*
COPPER	(CU)	0.00200	
IRON	(FE)	0.0050	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	0.0050	*
MOLYBEDENUM	(MO)	0.0100	
NICKEL	(NI)	0.0050	*
TIN	(SN)	0.0050	*
VANADIUM	(V)	0.0050	
ZINC	(ZN)	0.05	*
BERYLLIUM	(BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		023.0	
CHLORIDES	(CL)	021.0	
FLUORIDE	(F)	00.2	
HARDNESS		088.	
MAGNESIUM	(MG)	007.30	
NITRATES	(NO3)	00.1	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	020.00	
SULFATES	(SO4)	091.0	
TOT.DISS.SOLIDS		0205.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	03.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	005.4	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0043.
CARBON ALCOHOL EXTRACTABLES	0132.

* LESS THAN VALUE SHOWN

CITY-TOLEDO (POP. 318,003) STATE-OHIO 54040

OWNERSHIP PUBLIC

POPULATION SERVED 350 THOUSAND

RIVER BASIN (MAJOR) LAKE ERIE (MINOR) MAUMEE

SOURCE LAKE RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 120 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/19 - 03/07, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100	*
BARIUM	(BA)	0.0020	*
BISMUTH	(BI)	0.0050	*
CADMIUM	(CD)	0.0030	*
CHROMIUM	(CR)	0.0040	
COBALT	(CO)	0.0020	*
COPPER	(CU)	0.00300	
IRON	(FE)	0.0500	
LEAD	(PB)	0.0050	*
MANGANESE	(MN)	0.0040	*
MOLYBEDENUM	(MO)	0.0080	
NICKEL	(NI)	0.0040	
TIN	(SN)	0.0020	*
VANADIUM	(V)	0.0070	
ZINC	(ZN)	0.50	*
BERYLLIUM	(BE)	0.00005	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.150	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		022.0	
CHLORIDES	(CL)	034.0	
FLUORIDE	(F)	01.0	
HARDNESS		074.	
MAGNESIUM	(MG)	004.30	
NITRATES	(NO3)	00.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	016.00	
SULFATES	(SO4)	030.0	
TOT.DISS.SOLIDS		0153.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	008.1
SUSPENDED	03.0

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0059.
CARBON ALCOHOL EXTRACTABLES	0195.

* LESS THAN VALUE SHOWN

CITY-SPRINGFIELD (POP. 82,723) STATE-OHIO 54050

OWNERSHIP PUBLIC

POPULATION SERVED 90 THOUSAND

RIVER BASIN (MAJOR) OHIO (MINOR) MIAMI

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION, DISINFECTION, SOFTENING & IRON & MANGANESE REMOVAL

DESIGN CAPACITY 36 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0070	*
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0070	*
CHROMIUM (CR)	0.0070	*
COBALT (CO)	0.0070	*
COPPER (CU)	0.01000	
IRON (FE)	0.0300	
LEAD (PB)	0.0100	*
ANGANESE (MN)	0.0070	*
MOLYBEDENUM (MO)	0.0070	*
NICKEL (NI)	0.0070	*
TIN (SN)	0.0070	*
VANADIUM (V)	0.0070	*
ZINC (ZN)	0.07	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		024.0
CHLORIDES	(CL)	007.0
FLUORIDE	(F)	00.2
HARDNESS		168.
MAGNESIUM	(MG)	026.00
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	011.00
SULFATES	(SO4)	117.0
TOT.DISS.SOLIDS		0252.0
PH		
COLOR	(S.U.)	02.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	02.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	00.0
SUSPENDED	00.1
BETA ACTIVITY	
DISSOLVED	000.8
SUSPENDED	00.6

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0020.
CARBON ALCOHOL EXTRACTABLES	0073.

* LESS THAN VALUE SHOWN

CITY-GREEN BAY (POP. 62,888) STATE-WIS. 55010

OWNERSHIP PUBLIC

POPULATION SERVED 64 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) FOX - WOLF

SOURCE LAKE RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 20 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/17 - 10/02, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0050	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.02000	
IRON (FE)	0.0050	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.05	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	*
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		033.0	
CHLORIDES	(CL)	007.0	
FLUORIDE	(F)	00.9	
HARDNESS		128.	
MAGNESIUM	(MG)	011.00	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.00	
SULFATES	(SO4)	023.0	
TOT.DISS.SOLIDS		0156.0	
PH			
COLOR	(S.U.)	02.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0	*
SUSPENDED	01.0	*
BETA ACTIVITY		
DISSOLVED	003.0	
SUSPENDED	01.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0036.
CARBON ALCOHOL EXTRACTABLES	0092.

* LESS THAN VALUE SHOWN

CITY-MADISON STATE-WIS. 55020

(POP. 157,844)

OWNERSHIP PUBLIC

POPULATION SERVED 163 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) ROCK

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT

DESIGN CAPACITY 47 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/09 - 01/23, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300	*
BARIUM	(BA)	0.0100	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0090	*
CHROMIUM	(CR)	0.0030	*
COBALT	(CO)	0.0060	*
COPPER	(CU)	0.00600	
IRON	(FE)	0.2000	
LEAD	(PB)	0.0200	
MANGANESE	(MN)	0.1000	
MOLYBEDENUM	(MO)	0.0060	
NICKEL	(NI)	0.0060	*
TIN	(SN)	0.0060	*
VANADIUM	(V)	0.0060	*
ZINC	(ZN)	1.00	*
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.000	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		057.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	01.1	
HARDNESS		284.	
MAGNESIUM	(MG)	035.00	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0007.
CARBON ALCOHOL EXTRACTABLES	0034.

* LESS THAN VALUE SHOWN

CITY-MANITOWOC (POP. 32,275) STATE-WIS. 55030

OWNERSHIP PUBLIC

POPULATION SERVED 32 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) LAKE MICHIGAN-WESTERN SHORE

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 15 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

11/05 - 11/23, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0210
BISMUTH	(BI)	0.0050 *
CADMIUM	(CD)	0.0010
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.98000
IRON	(FE)	0.0290
LEAD	(PB)	0.0040
MANGANESE	(MN)	0.0010
MOLYBEDENUM	(MO)	0.0470
NICKEL	(NI)	0.0100
TIN	(SN)	
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.47
BERYLLIUM	(BE)	0.00006 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010 *
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		043.0
CHLORIDES	(CL)	008.5
FLUORIDE	(F)	00.2
HARDNESS		146.
MAGNESIUM	(MG)	009.50
NITRATES	(NO3)	00.3
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.00
SULFATES	(SO4)	
TOT. DISS. SOLIDS		0233.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	002.0	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0029.
CARBON ALCOHOL EXTRACTABLES	0121.

* LESS THAN VALUE SHOWN

CITY-NEENAH (POP. 18,057) STATE-WIS. 55040

OWNERSHIP PUBLIC

POPULATION SERVED 18 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES (MINOR) FOX - WOLF

SOURCE LAKE RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT

DESIGN CAPACITY 7 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/19 - 11/01, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0030
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0005 *
CHROMIUM	(CR)	0.0010 *
COBALT	(CO)	0.0010 *
COPPER	(CU)	0.01300
IRON	(FE)	0.0220
LEAD	(PB)	0.0020
MANGANESE	(MN)	0.0002 *
MOLYBEDENUM	(MO)	0.0060 *
NICKEL	(NI)	0.0010 *
TIN	(SN)	
VANADIUM	(V)	0.0010 *
ZINC	(ZN)	0.00
BERYLLIUM	(BE)	0.00003 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		019.0
CHLORIDES	(CL)	009.0
FLUORIDE	(F)	00.9
HARDNESS		036.
MAGNESIUM	(MG)	001.00
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	005.00
SULFATES	(SO4)	027.0
TOT.DISS.SOLIDS		0112.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED	01.0 *	
SUSPENDED	01.0 *	
BETA ACTIVITY		
DISSOLVED	005.0	
SUSPENDED	01.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0045.
CARBON ALCOHOL EXTRACTABLES	0154.0

* LESS THAN VALUE SHOWN

REGION SIX

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

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CITY-BURLINGTON (POP. 32,430) STATE-IA. 61010

OWNERSHIP PUBLIC

POPULATION SERVED 35 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) MISSISSIPPI-DES MOINES-SKUNK

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 12.5 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/04 - 01/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300	*
BARIUM	(BA)	0.0200	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0090	*
CHROMIUM	(CR)	0.0030	*
COBALT	(CO)	0.0060	*
COPPER	(CU)	0.00600	
IRON	(FE)	0.0600	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	2.0000	
MOLYBEDENUM	(MO)	0.0060	*
NICKEL	(NI)	0.0090	
TIN	(SN)	0.0060	*
VANADIUM	(V)	0.0060	*
ZINC	(ZN)	1.00	*
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.100	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.120	
CALCIUM		048.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.2	
HARDNESS		244.	
MAGNESIUM	(MG)	030.00	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	007.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	01.0
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	009.3
SUSPENDED	00.3

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0045.
CARBON ALCOHOL EXTRACTABLES	0232.

* LESS THAN VALUE SHOWN

CITY-DES MOINES (POP.208,982) STATE-IA. 61020

OWNERSHIP PUBLIC

POPULATION SERVED 233.7 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) DES MOINES

SOURCE RIVER, INFILTRATION GALLERY RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 96 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/12 - 01/26, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0040 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0040 *
COPPER	(CU)	0.00060 *
IRON	(FE)	0.0040
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0080 *
MOLYBEDENUM	(MO)	0.0100
NICKEL	(NI)	0.0040 *
TIN	(SN)	0.0040 *
VANADIUM	(V)	0.0040 *
ZINC	(ZN)	1.00 *
BERYLLIUM	(BE)	0.00010 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.150
CALCIUM		016.0
CHLORIDES	(CL)	011.5
FLUORIDE	(F)	01.2
HARDNESS		132.
MAGNESIUM	(MG)	022.00
NITRATES	(NO3)	00.1
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	034.00
SULFATES	(SO4)	099.9
TOT.DISS.SOLIDS		0276.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.12

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0023.

CARBON ALCOHOL EXTRACTABLES 0157.

* LESS THAN VALUE SHOWN

CITY-KANSAS CITY (POP. 121,901) STATE-KAN. 62010

OWNERSHIP PUBLIC

POPULATION SERVED 200 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) KANSAS

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 50 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/02 - 01/17, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0500	*
BARIUM (BA)	0.1000	
BISMUTH (BI)	0.0200	*
CADMIUM (CD)	0.0100	*
CHROMIUM (CR)	0.0050	*
COBALT (CO)	0.0100	*
COPPER (CU)	0.00100	*
IRON (FE)	0.0200	
LEAD (PB)	0.0200	*
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0100	
NICKEL (NI)	0.0100	*
TIN (SN)	0.0100	*
VANADIUM (V)	0.0100	*
ZINC (ZN)	2.00	*
BERYLLIUM (BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.110	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		076.0	
CHLORIDES	(CL)	028.3	
FLUORIDE	(F)	00.6	
HARDNESS		292.	
MAGNESIUM	(MG)	025.00	
NITRATES	(NO3)	05.5	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	045.00	
SULFATES	(SO4)	131.6	
TOT.DISS.SOLIDS		0496.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0043.
CARBON ALCOHOL EXTRACTABLES	0205.

* LESS THAN VALUE SHOWN

CITY-TOPEKA (POP. 122,800) STATE-KAN. 62020

OWNERSHIP PUBLIC

POPULATION SERVED 123 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) KANSAS

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 40 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

00/00 - 00/00, 1900

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300	*
BARIUM	(BA)	0.0070	*
BISMUTH	(BI)	0.0200	*
CADMIUM	(CD)	0.0100	*
CHROMIUM	(CR)	0.0030	*
COBALT	(CO)	0.0070	*
COPPER	(CU)	0.00100	*
IRON	(FE)	0.0070	*
LEAD	(PB)	0.0200	*
MANGANESE	(MN)	0.0100	*
MOLYBEDENUM	(MO)	0.0100	
NICKEL	(NI)	0.0070	*
TIN	(SN)	0.0070	*
VANADIUM	(V)	0.0070	*
ZINC	(ZN)	2.00	*
BERYLLIUM	(BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		034.0	
CHLORIDES	(CL)	083.0	
FLUORIDE	(F)	01.1	
HARDNESS		168.	
MAGNESIUM	(MG)	015.00	
NITRATES	(NO3)	05.8	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	073.00	
SULFATES	(SO4)	120.0	
TOT.DISS.SOLIDS		0403.0	
PH			
COLOR	(S.U.)	01.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	*

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0047.
CARBON ALCOHOL EXTRACTABLES	0177.

* LESS THAN VALUE SHOWN

CITY-DULUTH STATE-MINN. 63010

(PCP. 106,884)

OWNERSHIP PUBLIC

POPULATION SERVED 108 THOUSAND

RIVER BASIN (MAJOR) WESTERN GREAT LAKES

(MINOR) LAKE SUPERIOR

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 72.6 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/28 - 09/12. 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0040	*
BARIUM (BA)	0.0040	
BISMUTH (BI)	0.0020	*
CADMIUM (CD)	0.0010	*
CHROMIUM (CR)	0.0010	
COBALT (CO)	0.0010	*
COPPER (CU)	0.00400	
IRON (FE)	0.0100	
LEAD (PB)	0.0020	*
MANGANESE (MN)	0.0010	*
MOLYBEDENUM (MO)	0.0010	*
NICKEL (NI)	0.0010	*
TIN (SN)	0.0010	*
VANADIUM (V)	0.0010	*
ZINC (ZN)	0.01	*
BERYLLIUM (BE)	0.00020	*

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.020	
CALCIUM		014.0	
CHLORIDES	(CL)	003.5	
FLUORIDE	(F)	00.0	
HARDNESS		056.	
MAGNESIUM	(MG)	005.30	
NITRATES	(NO3)	00.3	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	001.00	
SULFATES	(SO4)	003.0	
TOT.DISS.SOLIDS		0052.0	
PH			
COLOR	(S.U.)	05.	*
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	

RESULTS BY
RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0026.
CARBON ALCOHOL EXTRACTABLES	0087.

* LESS THAN VALUE SHOWN

CITY-MINNEAPOLIS (POP. 480,000) STATE-MINN. 63021
COLUMBIA HEIGHTS PLT.

OWNERSHIP PUBLIC

POPULATION SERVED 265 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR)

SOURCE RIVER

RAW WATER CAPACITY RANGE 20 - 83MGD

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 78 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100 *
BARIUM	(BA)	0.0030
BISMUTH	(BI)	0.0060 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0010
COBALT	(CO)	0.0030 *
COPPER	(CU)	0.00300
IRON	(FE)	0.0030
LEAD	(PB)	0.0060 *
MANGANESE	(MN)	0.0030 *
MOLYBEDENUM	(MO)	0.0030 *
NICKEL	(NI)	0.0030 *
TIN	(SN)	0.0030 *
VANADIUM	(V)	0.0030
ZINC	(ZN)	0.03 *
BERYLLIUM	(BE)	0.00060 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050
ARSENIC	(AS)	0.010 *
BORON	(B)	0.030
CALCIUM		017.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.9
HARDNESS		062.
MAGNESIUM	(MG)	004.90
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	005.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	
CARBON ALCOHOL EXTRACTABLES	

* LESS THAN VALUE SHOWN

CITY-MINNEAPOLIS (POP. 480,000) STATE-MINN. 63022

FRIDLEY PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 265 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR)

SOURCE RIVER

RAW WATER CAPACITY RANGE 20-90 MGD

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 80 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/16 - 08/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0070	*
BARIUM	(BA)	0.0030	*
BISMUTH	(BI)	0.0030	*
CADMIUM	(CD)	0.0030	*
CHROMIUM	(CR)	0.0007	*
COBALT	(CO)	0.0030	*
COPPER	(CU)	0.00100	
IRON	(FE)	0.0030	
LEAD	(PB)	0.0030	*
MANGANESE	(MN)	0.0030	*
MOLYBEDENUM	(MO)	0.0030	*
NICKEL	(NI)	0.0030	*
TIN	(SN)	0.0030	*
VANADIUM	(V)	0.0030	
ZINC	(ZN)	0.03	*
BERYLLIUM	(BE)	0.00030	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		018.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	01.0	
HARDNESS		064.	
MAGNESIUM	(MG)	004.40	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.50	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0076.
CARBON ALCOHOL EXTRACTABLES	0127.

* LESS THAN VALUE SHOWN

CITY-CAPE GIRARDEAU (POP. 24,947) STATE-MO. 64010

OWNERSHIP PRIVATE

POPULATION SERVED 25 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) MISSISSIPPI - CAPE GIRARDEAU AREA

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 3 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/28 - 04/11, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0900
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0070 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00900
IRON	(FE)	0.0200
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0090 *
MOLYBEDENUM	(MO)	0.0070
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	1.00 *
BERYLLIUM	(BE)	0.00010 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		048.0
CHLORIDES	(CL)	
FLUORIDE	(F)	01.1
HARDNESS		192.
MAGNESIUM	(MG)	017.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	009.50
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UNITS
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0081.
CARBON ALCOHOL EXTRACTABLES	0166.

* LESS THAN VALUE SHOWN

CITY-ST. LOUIS STATE-MO. 64021

(POP. 750,026)

HOWARD BEND PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 250 THOUSAND

RIVER BASIN (MAJOR) MISSOURI RIVER (MINOR) LOWER MISSOURI

SOURCE RIVER RAW WATER CAPACITY RANGE 10-100 MGD

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 80 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 28

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/28 - 04/11, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0300	
BISMUTH	(BI)	0.0080	*
CADMIUM	(CD)	0.0050	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0030	*
COPPER	(CU)	0.00100	
IRON	(FE)	0.0300	
LEAD	(PB)	0.0080	*
MANGANESE	(MN)	0.0060	*
MOLYBDENUM	(MO)	0.0050	
NICKEL	(NI)	0.0030	*
TIN	(SN)	0.0050	*
VANADIUM	(V)	0.0030	*
ZINC	(ZN)	0.80	*
BERYLLIUM	(BE)	0.00008	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.090	
CALCIUM		027.0	
CHLORIDES	(CL)	015.0	
FLUORIDE	(F)	01.2	
HARDNESS		112.	
MAGNESIUM	(MG)	013.00	
NITRATES	(NO3)	03.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	013.00	
SULFATES	(SO4)	069.4	
TOT.DISS.SOLIDS		0167.0	
PH			
COLOR	(S.U.)	08.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.25	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0088.
CARBON ALCOHOL EXTRACTABLES	0084.

* LESS THAN VALUE SHOWN

CITY-ST. LOUIS STATE-MO. 64022

(POP. 750,026)

CHAIN OF ROCKS PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 643 THOUSAND

RIVER BASIN (MAJOR) UPPER MISSISSIPPI (MINOR) MISSISSIPPI - ST. LOUIS AREA

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 240 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 72

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/28 - 04/11, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0070	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0010	*
COBALT (CO)	0.0030	*
COPPER (CU)	0.00300	
IRON (FE)	0.1000	
LEAD (PB)	0.0070	*
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0040	
NICKEL (NI)	0.0030	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.70	*
BERYLLIUM (BE)	0.00007	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.100	
CALCIUM		023.0	
CHLORIDES	(CL)	016.0	
FLUORIDE	(F)	01.1	
HARDNESS		104.	
MAGNESIUM	(MG)	011.00	
NITRATES	(NO3)	05.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	013.00	
SULFATES	(SO4)	058.9	
TOT.DISS.SOLIDS		0163.0	
PH			
COLOR	(S.U.)	10.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.25	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0079.
CARBON ALCOHOL EXTRACTABLES	0115.

* LESS THAN VALUE SHOWN

CITY-LINCOLN STATE-NEB. 65010

(POP. 128,521)

OWNERSHIP PUBLIC

POPULATION SERVED 147 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) LOWER PLATTE

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION AND IRON & MANGANESE REMOVAL

DESIGN CAPACITY 60 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/07 - 05/21, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300	*
BARIUM	(BA)	0.0070	
BISMUTH	(BI)	0.0200	
CADMIUM	(CD)	0.0100	*
CHROMIUM	(CR)	0.0030	*
COBALT	(CO)	0.0070	*
COPPER	(CU)	0.01000	
IRON	(FE)	0.0700	
LEAD	(PB)	0.0200	*
MANGANESE	(MN)	0.0100	*
MOLYBEDENUM	(MO)	0.0070	
NICKEL	(NI)	0.0070	*
TIN	(SN)	0.0070	*
VANADIUM	(V)	0.0070	*
ZINC	(ZN)	2.00	*
BERYLLIUM	(BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.080	
CALCIUM		055.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.4	
HARDNESS		178.	
MAGNESIUM	(MG)	009.70	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	023.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0027.
CARBON ALCOHOL EXTRACTABLES	0090.

* LESS THAN VALUE SHOWN

CITY-NORTH PLATTE (POP. 17,184) STATE-NEB. 65020

OWNERSHIP PUBLIC

POPULATION SERVED 17.184 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) PLATTE

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 18 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/08 - 05/25, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0400 *
BARIUM	(BA)	0.0090 *
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0100 *
CHROMIUM	(CR)	0.0040 *
COBALT	(CO)	0.0090 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0300
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.0200 *
MOLYBEDENUM	(MO)	0.0090 *
NICKEL	(NI)	0.0090 *
TIN	(SN)	0.0090 *
VANADIUM	(V)	0.0090 *
ZINC	(ZN)	2.00 *
BERYLLIUM	(BE)	0.00020 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		067.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.6
HARDNESS		224.
MAGNESIUM	(MG)	014.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	035.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0019.
CARBON ALCOHOL EXTRACTABLES	0087.

* LESS THAN VALUE SHOWN

CITY-OMAHA (POP. 301,598) STATE-NEB. 65030

OWNERSHIP PUBLIC

POPULATION SERVED 400 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) LOWER MISSOURI

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 140 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/09 - 05/23, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0400	*
BARIUM (BA)	0.0080	*
BISMUTH (BI)	0.0200	*
CADMIUM (CD)	0.0100	*
CHROMIUM (CR)	0.0040	*
COBALT (CO)	0.0080	*
COPPER (CU)	0.00800	
IRON (FE)	0.0300	
LEAD (PB)	0.0200	*
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0200	
NICKEL (NI)	0.0080	*
TIN (SN)	0.0080	*
VANADIUM (V)	0.0080	*
ZINC (ZN)	2.00	*
BERYLLIUM (BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.210	
CALCIUM		040.0	
CHLORIDES	(CL)	015.0	
FLUORIDE	(F)	00.6	
HARDNESS		148.	
MAGNESIUM	(MG)	012.00	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	050.00	
SULFATES	(SO4)	191.0	
TOT.DISS.SOLIDS		0377.0	
PH			
COLOR	(S.U.)	02.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.10	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0059.
CARBON ALCOHOL EXTRACTABLES	0107.

* LESS THAN VALUE SHOWN

CITY-BISMARCK (POP. 27,670) STATE-N.D. 66010

OWNERSHIP PUBLIC

POPULATION SERVED 32 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) CENTRAL MISSOURI

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 9.5 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/18 - 07/02, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0350	*
BARIUM	(BA)	0.0090	*
BISMUTH	(BI)	0.0200	*
CADMIUM	(CD)	0.0090	*
CHROMIUM	(CR)	0.0040	*
COBALT	(CO)	0.0090	*
COPPER	(CU)	0.01000	
IRON	(FE)	0.0350	
LEAD	(PB)	0.0200	*
MANGANESE	(MN)	0.0090	*
MOLYBEDENUM	(MO)	0.0090	*
NICKEL	(NI)	0.0090	*
TIN	(SN)	0.0090	*
VANADIUM	(V)	0.0090	*
ZINC	(ZN)	0.09	*
BERYLLIUM	(BE)	0.00200	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.200	
CALCIUM		027.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	01.4	
HARDNESS		108.	
MAGNESIUM	(MG)	009.70	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	054.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0041.
CARBON ALCOHOL EXTRACTABLES	0104.

* LESS THAN VALUE SHOWN

CITY-GRAND FORKS (POP. 38,230) STATE-N.D. 66020

OWNERSHIP PUBLIC POPULATION SERVED 49.6 THOUSAND

RIVER BASIN (MAJOR) RED RIVER OF THE NORTH BASIN (MINOR)

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 6 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/16 - 07/03, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0250 *
BARIUM	(BA)	0.0060 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0030 *
COBALT	(CO)	0.0060 *
COPPER	(CU)	0.00700
IRON	(FE)	0.0100
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0060 *
MOLYBEDENUM	(MO)	0.0060 *
NICKEL	(NI)	0.0060 *
TIN	(SN)	0.0060 *
VANADIUM	(V)	0.0060 *
ZINC	(ZN)	0.06 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.100
ARSENIC	(AS)	0.010 *
BORON	(B)	0.120
CALCIUM		029.0
CHLORIDES	(CL)	016.0
FLUORIDE	(F)	01.0
HARDNESS		100.
MAGNESIUM	(MG)	006.80
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	033.00
SULFATES	(SO4)	060.
TOT.DISS.SOLIDS		0300.0
PH		
COLOR	(S.U.)	02.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0073.
CARBON ALCOHOL EXTRACTABLES	0128.

* LESS THAN VALUE SHOWN

CITY-WILLISTON STATE-N.D. 66030

(POP. 11,866)

OWNERSHIP PUBLIC

POPULATION SERVED 12 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) MISSOURI - SOURIS

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 6 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/19 - 07/05, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300 *
BARIUM	(BA)	0.0070 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0070 *
CHROMIUM	(CR)	0.0030 *
COBALT	(CO)	0.0070 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0070 *
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0070 *
MOLYBEDENUM	(MO)	0.0070 *
NICKEL	(NI)	0.0070 *
TIN	(SN)	0.0070 *
VANADIUM	(V)	0.0070 *
ZINC	(ZN)	0.07 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.060
ARSENIC	(AS)	0.010 *
BORON	(B)	0.200
CALCIUM		035.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.9
HARDNESS		104.
MAGNESIUM	(MG)	003.90
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	038.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY
RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0041.
CARBON ALCOHOL EXTRACTABLES	0045.

* LESS THAN VALUE SHOWN

CITY-ABERDEEN STATE-S.D. 67010

(POP. 23,073)

OWNERSHIP PUBLIC

POPULATION SERVED 23 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) JAMES

SOURCE RIVER, IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 8 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/15 - 03/01, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0700	*
BARIUM	(BA)	3.0000	
BISMUTH	(BI)	0.0300	*
CADMIUM	(CD)	0.0200	*
CHROMIUM	(CR)	0.0070	*
COBALT	(CO)	0.0100	*
COPPER	(CU)	0.00200	*
IRON	(FE)	0.0500	
LEAD	(PB)	0.0300	*
MANGANESE	(MN)	0.0300	*
MOLYBEDENUM	(MO)	0.0100	*
NICKEL	(NI)	0.0100	*
TIN	(SN)	0.0100	*
VANADIUM	(V)	0.0100	*
ZINC	(ZN)	3.00	*
BERYLLIUM	(BE)	0.00030	*

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.110	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.210	
CALCIUM		025.0	
CHLORIDES	(CL)	112.0	
FLUORIDE	(F)	00.9	
HARDNESS		120.	
MAGNESIUM	(MG)	014.00	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	150.00	
SULFATES	(SO4)	051.0	
TOT.DISS.SOLIDS		0672.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY
RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0081.
CARBON ALCOHOL EXTRACTABLES	0231.

* LESS THAN VALUE SHOWN

CITY-SIOUX FALLS (POP. 68,000) STATE-S.D. 67020

OWNERSHIP PUBLIC

POPULATION SERVED 65 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) SIOUX

SOURCE GROUND WATER RAW WATER CAPACITY RANGE 1,000 MG

TREATMENT PURIFICATION, DISINFECTION, SOFTENING AND IRON & MANGANESE REMOVAL

DESIGN CAPACITY 26.25MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/21 - 03/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0500	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0300	*
CADMIUM (CD)	0.0200	*
CHROMIUM (CR)	0.0050	*
COBALT (CO)	0.0100	*
COPPER (CU)	0.00200	*
IRON (FE)	1.0000	
LEAD (PB)	0.0300	*
MANGANESE (MN)	0.3000	
MOLYBEDENUM (MO)	0.0100	
NICKEL (NI)	0.0100	*
TIN (SN)	0.0100	*
VANADIUM (V)	0.0100	*
ZINC (ZN)	3.00	*
BERYLLIUM (BE)	0.00030	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.060	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.080	
CALCIUM		066.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.4	
HARDNESS		324.	
MAGNESIUM	(MG)	039.00	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	017.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	008.0
SUSPENDED	01.0

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0039.
CARBON ALCOHOL EXTRACTABLES	0137.

* LESS THAN VALUE SHOWN

REGION SEVEN

Arkansas
Louisiana
New Mexico
Oklahoma
Texas

CITY=ALEXANDRIA (POP. 40,279) STATE=LA. 71010

OWNERSHIP PUBLIC

POPULATION SERVED 50 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI (MINOR) LOWER RED RIVER BASIN

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 26 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/24 - 11/14, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0710	
BISMUTH (BI)	0.0080	*
CADMIUM (CD)	0.0010	*
CHROMIUM (CR)	0.0040	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.01800	
IRON (FE)	0.0370	
LEAD (PB)	0.0040	*
MANGANESE (MN)	0.0120	
MOLYBEDENUM (MO)	0.0190	*
NICKEL (NI)	0.0040	*
TIN (SN)		
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.00	
BERYLLIUM (BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.740	
CALCIUM		003.2	
CHLORIDES	(CL)		
FLUORIDE	(F)	01.1	
HARDNESS		008.	
MAGNESIUM	(MG)	000.10	*
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	138.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	009.1	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0035.
CARBON ALCOHOL EXTRACTABLES	0044.

* LESS THAN VALUE SHOWN

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CITY-BATON ROUGE (POP. 152,419) STATE-LA. 71020

OWNERSHIP PRIVATE

RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI (MINOR) LOWER MISSISSIPPI

SOURCE GROUND WATER

TREATMENT DISINFECTION

POPULATION SERVED 200 THOUSAND

RAW WATER CAPACITY RANGE

DESIGN CAPACITY 35 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/20 - 10/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0050 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0028
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.00800
IRON	(FE)	0.0050
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0050 *
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0300
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	0.05 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010 *
ARSENIC	(AS)	0.010 *
BORON	(B)	0.120
CALCIUM		001.6
CHLORIDES	(CL)	007.0
FLUORIDE	(F)	00.1
HARDNESS		008.
MAGNESIUM	(MG)	001.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	071.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0219.0
PH		
COLOR	(S.U.)	05.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	03.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	009.4
SUSPENDED	03.0

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0032.
CARBON ALCOHOL EXTRACTABLES	0017.

* LESS THAN VALUE SHOWN

CITY-NEW ORLEANS (POP. 627,525) STATE-LA. 71030

OWNERSHIP PUBLIC

POPULATION SERVED 600 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI

(MINOR) LOWER MISSISSIPPI

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION AND SOFTENING

DESIGN CAPACITY 232 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

11/06 - 11/20, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0190
BISMUTH	(BI)	0.0040 *
CADMIUM	(CD)	0.0020
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.01700
IRON	(FE)	0.1410
LEAD	(PB)	0.0020 *
MANGANESE	(MN)	0.0004 *
MOLYBEDENUM	(MO)	0.0090 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00005 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		021.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.8
HARDNESS		082.
MAGNESIUM	(MG)	008.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	026.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	007.2
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES

CARBON ALCOHOL EXTRACTABLES

* LESS THAN VALUE SHOWN

CITY-SHREVEPORT (POP. 164,372) STATE-LA. 71041

CROSS LAKE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 175 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI (MINOR) LOWER RED RIVER

SOURCE LAKE

RAW WATER CAPACITY RANGE 10 - 100 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 40 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/20 - 10/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0500	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.00100	
IRON (FE)	0.0050	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0050	
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.05	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.030
CALCIUM		023.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.1
HARDNESS		084.
MAGNESIUM	(MG)	006.30
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	032.00
SULFATES	(SO4)	
TOT. DISS. SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0	*
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0107.
CARBON ALCOHOL EXTRACTABLES	0096.

* LESS THAN VALUE SHOWN

CITY-SHREVEPORT STATE-LA. 71042

(POP. 164,372)

MCNEILL ST. PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 175 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST - LOWER MISSISSIPPI (MINOR) LOWER RED RIVER

SOURCE LAKE

RAW WATER CAPACITY RANGE 10 - 100 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

09/21 - 10/08, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0500	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.00800	
IRON (FE)	0.0050	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.05	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.060	
CALCIUM		021.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.1	
HARDNESS		084.	
MAGNESIUM	(MG)	007.80	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	036.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	008.8	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0071.
CARBON ALCOHOL EXTRACTABLES	0129.

* LESS THAN VALUE SHOWN

CITY-ALBUQUERQUE STATE-N.M. 72010
(POP. 201,189)

OWNERSHIP PUBLIC

POPULATION SERVED 214 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) RIO GRANDE (UPPER)

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 108.7 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/02 - 08/17, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0500	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0060	*
CHROMIUM (CR)	0.0060	*
COBALT (CO)	0.0060	*
COPPER (CU)	0.02000	
IRON (FE)	0.0200	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0060	*
MOLYBEDENUM (MO)	0.0060	*
NICKEL (NI)	0.0060	*
TIN (SN)	0.0060	*
VANADIUM (V)	0.0060	*
ZINC (ZN)	0.06	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		034.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.5	
HARDNESS		110.	
MAGNESIUM	(MG)	005.80	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	028.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	003.0	*
SUSPENDED	03.3	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0030.
CARBON ALCOHOL EXTRACTABLES	0035.

* LESS THAN VALUE SHOWN

CITY-FARMINGTON (POP. 23,786) STATE-N.M. 72020

OWNERSHIP PUBLIC

POPULATION SERVED 24 THOUSAND

RIVER BASIN (MAJOR) COLORADO (MINOR) UPPER COLORADO

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 10 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/06 - 08/21, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0500 *
BARIUM	(BA)	0.0250
BISMUTH	(BI)	0.0250 *
CADMIUM	(CD)	0.0130 *
CHROMIUM	(CR)	0.0050 *
COBALT	(CO)	0.0130 *
COPPER	(CU)	0.00300
IRON	(FE)	0.0130
LEAD	(PB)	0.0250 *
MANGANESE	(MN)	0.0130 *
MOLYBEDENUM	(MO)	0.0130 *
NICKEL	(NI)	0.0130 *
TIN	(SN)	0.0130 *
VANADIUM	(V)	0.0130
ZINC	(ZN)	0.13 *
BERYLLIUM	(BE)	0.00250 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010 *
ARSENIC	(AS)	0.010 *
BORON	(B)	0.090
CALCIUM		081.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.6
HARDNESS		268.
MAGNESIUM	(MG)	016.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	047.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	004.8	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0047.
CARBON ALCOHOL EXTRACTABLES	0098.

* LESS THAN VALUE SHOWN

CITY-OKLAHOMA CITY (POP. 324,253) LAKE HEFNER — STATE-OKLA. — 73021

OWNERSHIP PUBLIC

POPULATION SERVED 370 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI (MINOR) NORTH CANADIAN RIVER

SOURCE GROUND WATER - IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE 10 - 100 MG

TREATMENT PURIFICATION, DISINFECTION & SOFTENING

DESIGN CAPACITY 45 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 60

CHEMICAL AND PHYSICAL ANALYSES ON A COMPOSITE SAMPLE OF FINISHED WATER

04/26 - 05/14, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0400	*
BARIUM (BA)	0.0090	
BISMUTH (BI)	0.0200	*
CADMIUM (CD)	0.0100	*
CHROMIUM (CR)	0.0040	*
COBALT (CO)	0.0090	*
COPPER (CU)	0.00100	*
IRON (FE)	0.0200	
LEAD (PB)	0.0200	*
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0100	
NICKEL (NI)	0.0090	*
TIN (SN)	0.0090	*
VANADIUM (V)	0.0090	*
ZINC (ZN)	2.00	*
BERYLLIUM (BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.150	
CALCIUM		026.0	
CHLORIDES	(CL)	130.0	
FLUORIDE	(F)	01.0	
HARDNESS		150.	
MAGNESIUM	(MG)	021.00	
NITRATES	(NO3)	00.8	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	085.00	
SULFATES	(SO4)	076.0	
TOT.DISS.SOLIDS		0470.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	012.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0034.
CARBON ALCOHOL EXTRACTABLES	0109.

* LESS THAN VALUE SHOWN

CITY-OKLAHOMA CITY (POP. 324,253) STATE-OKLA. 73022
LAKE OVERHOLSER

OWNERSHIP PUBLIC
POPULATION SERVED 370 THOUSAND
RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI (MINOR) NORTH CANADIAN RIVER
SOURCE GROUND WATER - IMPOUNDED RESERVOIR
RAW WATER CAPACITY RANGE 10-100 MG
TREATMENT PURIFICATION, DISINFECTION & SOFTENING
DESIGN CAPACITY 24 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 40

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/03 - 05/17, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0500	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0300	*
CADMIUM (CD)	0.0200	*
CHROMIUM (CR)	0.0050	*
COBALT (CO)	0.0100	*
COPPER (CU)	0.01000	
IRON (FE)	0.3000	
LEAD (PB)	0.1000	
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0100	
NICKEL (NI)	0.0100	*
TIN (SN)	0.0100	*
VANADIUM (V)	0.0100	*
ZINC (ZN)	3.00	*
BERYLLIUM (BE)	0.00030	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		047.0	
CHLORIDES	(CL)	143.0	
FLUORIDE	(F)	00.9	
HARDNESS		174.	
MAGNESIUM	(MG)	014.00	
NITRATES	(NO3)	00.9	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	100.00	
SULFATES	(SO4)	136.0	
TOT.DISS.SOLIDS		0551.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	012.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0038.
CARBON ALCOHOL EXTRACTABLES	0123.

* LESS THAN VALUE SHOWN

CITY-BROWNSVILLE (POP. 48,040) STATE-TEX. 74011
PLANT=1

OWNERSHIP PUBLIC

POPULATION SERVED 49 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) RIO GRANDE (LOWER)

SOURCE RIVER, IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 4 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/09 - 03/23, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0800	*
BARIUM (BA)	0.0800	
BISMUTH (BI)	0.0400	*
CADMIUM (CD)	0.0200	*
CHROMIUM (CR)	0.0080	*
COBALT (CO)	0.0200	*
COPPER (CU)	0.00200	*
IRON (FE)	0.0300	
LEAD (PB)	0.0400	*
MANGANESE (MN)	0.0300	*
MOLYBDENUM (MO)	0.0300	
NICKEL (NI)	0.0200	*
TIN (SN)	0.0200	
VANADIUM (V)	0.0200	*
ZINC (ZN)	4.00	*
BERYLLIUM (BE)	0.00040	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.090
ARSENIC	(AS)	0.010 *
BORON	(B)	0.560
CALCIUM		089.0
CHLORIDES	(CL)	205.0
FLUORIDE	(F)	00.8
HARDNESS		356.
MAGNESIUM	(MG)	033.00
NITRATES	(NO3)	01.4
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	130.00
SULFATES	(SO4)	200.0
TOT.DISS.SOLIDS		0990.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	009.3	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0047.
CARBON ALCOHOL EXTRACTABLES	0127.

* LESS THAN VALUE SHOWN

CITY-BROWNSVILLE (POP. 48,040) STATE-TEX. 74012

PLANT-2

OWNERSHIP PUBLIC

POPULATION SERVED 49 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) RIO GRANDE (LOWER)

SOURCE RIVER-IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 10 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/09 - 03/23, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0800 *
BARIUM	(BA)	0.0800
BISMUTH	(BI)	0.0400 *
CADMIUM	(CD)	0.0300 *
CHROMIUM	(CR)	0.0080 *
COBALT	(CO)	0.0200 *
COPPER	(CU)	0.00300
IRON	(FE)	0.0300
LEAD	(PB)	0.0400 *
MANGANESE	(MN)	0.0300 *
MOLYBEDENUM	(MO)	0.0300
NICKEL	(NI)	0.0200 *
TIN	(SN)	0.0200 *
VANADIUM	(V)	0.0200 *
ZINC	(ZN)	4.00 *
BERYLLIUM	(BE)	0.00040 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080
ARSENIC	(AS)	0.010 *
BORON	(B)	0.360
CALCIUM		086.0
CHLORIDES	(CL)	180.0
FLUORIDE	(F)	00.5
HARDNESS		340.
MAGNESIUM	(MG)	031.00
NITRATES	(NO3)	00.4 *
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	137.00
SULFATES	(SO4)	205.0
TOT.DISS.SOLIDS		0906.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	008.6
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0052.
CARBON ALCOHOL EXTRACTABLES	0149.

* LESS THAN VALUE SHOWN

CITY-BROWNWOOD (POP. 16,974) STATE-TEX. 74020

OWNERSHIP PUBLIC

POPULATION SERVED 18 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) COLORADO

SOURCE IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 8 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/15 - 01/31, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0800	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0080	*
CHROMIUM (CR)	0.0030	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.00300	
IRON (FE)	0.1000	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0100	*
MOLYBEDENUM (MO)	0.0080	
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	1.00	*
BERYLLIUM (BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.210	
CALCIUM		046.0	
CHLORIDES	(CL)	061.0	
FLUORIDE	(F)	00.3	
HARDNESS		176.	
MAGNESIUM	(MG)	015.00	
NITRATES	(NO3)	00.4	*
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	026.00	
SULFATES	(SO4)	025.0	
TOT.DISS.SOLIDS		0279.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	011.1	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0107.
CARBON ALCOHOL EXTRACTABLES	0205.

* LESS THAN VALUE SHOWN

CITY-CORPUS CHRISTI (POP. 167,690) STATE-TEX. 74031

CUNNINGHAM PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 198 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) NUECES RIVER

SOURCE RIVER-IMPOUNDED RESERVOIR

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION, SOFTENING, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 33 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 33

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/15 - 01/30, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES	RESULTS BY CHEMICAL AND PHYSICAL ANALYSES
ANTIMONY (SB)	ABS
BARIUM (BA)	ARSENIC (AS)
BISMUTH (BI)	BORON (B)
CADMIUM (CD)	CALCIUM
CHROMIUM (CR)	CHLORIDES (CL)
COBALT (CO)	FLUORIDE (F)
COPPER (CU)	HARDNESS
IRON (FE)	MAGNESIUM (MG)
LEAD (PB)	NITRATES (NO3)
MANGANESE (MN)	SELENIUM (SE)
MOLYBEDENUM (MO)	SODIUM (NA)
NICKEL (NI)	SULFATES (SO4)
TIN (SN)	TOT.DISS.SOLIDS
VANADIUM (V)	PH
ZINC (ZN)	COLOR (S.U.)
BERYLLIUM (BE)	TEMP. F (RAW WATER)
	TURBIDITY (S.U.)

RESULTS BY RADIOCHEMICAL ANALYSES	UUC/1	RESULTS BY CARBON ADSORPTION METHOD (CAM)	PPB
ALPHA ACTIVITY			
DISSOLVED		CARBON CHLOROFORM EXTRACTABLES	0074.
SUSPENDED			
BETA ACTIVITY			
DISSOLVED		CARBON ALCOHOL EXTRACTABLES	0220.
SUSPENDED			

* LESS THAN VALUE SHOWN

CITY-CORPUS CHRISTI STATE-TEX. 74032
(POP. 167,690)
STEPHENS PLANT

OWNERSHIP PUBLIC POPULATION SERVED 198 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) NUECES RIVER

SOURCE RIVER - IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION, DISINFECTION, SOFTENING, IRON & MANGANESE REMOVAL

DESIGN CAPACITY 48 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 67

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/16 - 01/30, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0400	*
BARIUM (BA)	0.1000	
BISMUTH (BI)	0.0200	*
CADMIUM (CD)	0.0100	*
CHROMIUM (CR)	0.0040	*
COBALT (CO)	0.0080	*
COPPER (CU)	0.00800	
IRON (FE)	0.2000	
LEAD (PB)	0.0200	*
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0200	
NICKEL (NI)	0.0080	*
TIN (SN)	0.0400	
VANADIUM (V)	0.0080	*
ZINC (ZN)	2.00	*
BERYLLIUM (BE)	0.00020	*

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.050
CALCIUM		042.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.8
HARDNESS		152.
MAGNESIUM	(MG)	011.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	078.00
SULFATES	(SO4)	
TOT. DISS. SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY
RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0041.
CARBON ALCOHOL EXTRACTABLES	0163.

* LESS THAN VALUE SHOWN

CITY-GALVESTON (POP. 67,175) STATE-TEX. 74050

OWNERSHIP PUBLIC

POPULATION SERVED 71 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) TRINITY AND SAN JACINTO

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 17.5 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

07/24 - 08/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.1000	*
BARIUM	(BA)	0.2000	
BISMUTH	(BI)	0.0500	*
CADMIUM	(CD)	0.0300	*
CHROMIUM	(CR)	0.0300	*
COBALT	(CO)	0.0300	*
COPPER	(CU)	0.10000	
IRON	(FE)	0.1000	
LEAD	(PB)	0.0500	
MANGANESE	(MN)	0.1000	
MOLYBEDENUM	(MO)	0.0300	*
NICKEL	(NI)	0.0300	*
TIN	(SN)	0.0300	*
VANADIUM	(V)	0.0300	*
ZINC	(ZN)	0.27	*
BERYLLIUM	(BE)	0.00500	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		029.0	
CHLORIDES	(CL)	461.0	
FLUORIDE	(F)	00.7	
HARDNESS		116.	
MAGNESIUM	(MG)	011.00	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	300.00	
SULFATES	(SO4)	007.0	
TOT.DISS.SOLIDS		1200.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0019.
CARBON ALCOHOL EXTRACTABLES	0048.

* LESS THAN VALUE SHOWN

CITY-LAREDO STATE-TEX. 74060

(POP. 60,678)

OWNERSHIP PUBLIC

POPULATION SERVED 60 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) RIO GRANDE (LOWER)

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 19 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/01 - 03/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0700 *
BARIUM	(BA)	0.1000
BISMUTH	(BI)	0.0400 *
CADMIUM	(CD)	0.0200 *
CHROMIUM	(CR)	0.0070
COBALT	(CO)	0.0100 *
COPPER	(CU)	0.00200 *
IRON	(FE)	0.1000
LEAD	(PB)	0.1000
MANGANESE	(MN)	0.0300 *
MOLYBEDENUM	(MO)	0.0200
NICKEL	(NI)	0.0100 *
TIN	(SN)	0.0100 *
VANADIUM	(V)	0.0100 *
ZINC	(ZN)	4.00 *
BERYLLIUM	(BE)	0.00040 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.330
CALCIUM		070.0
CHLORIDES	(CL)	160.0
FLUORIDE	(F)	00.9
HARDNESS		284.
MAGNESIUM	(MG)	027.00
NITRATES	(NO3)	01.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	113.00
SULFATES	(SO4)	198.0
TOT.DISS.SOLIDS		0780.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	019.0
SUSPENDED	03.0 *

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0037.
CARBON ALCOHOL EXTRACTABLES	0138.

* LESS THAN VALUE SHOWN

CITY-PORT ARTHUR (POP. 66,676) STATE-TEX. 74080

OWNERSHIP PUBLIC

POPULATION SERVED 90 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) NECHES RIVER

SOURCE IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 11 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/14 - 06/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0220
BISMUTH	(BI)	0.0030 *
CADMIUM	(CD)	0.0080 *
CHROMIUM	(CR)	0.0070
COBALT	(CO)	0.0160 *
COPPER	(CU)	0.02100
IRON	(FE)	0.0250
LEAD	(PB)	0.0080 *
MANGANESE	(MN)	0.0040 *
MOLYBEDENUM	(MO)	0.0040 *
NICKEL	(NI)	0.0080 *
TIN	(SN)	
VANADIUM	(V)	0.0080 *
ZINC	(ZN)	0.01
BERYLLIUM	(BE)	0.00004 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		017.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.8
HARDNESS		060.
MAGNESIUM	(MG)	002.90
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	022.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	035.0	
SUSPENDED	03.0 *	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0143.
CARBON ALCOHOL EXTRACTABLES	0185.

* LESS THAN VALUE SHOWN

CITY-SAN ANGELO (POP. 58,815) STATE-TEX. 74090

OWNERSHIP PUBLIC

POPULATION SERVED 60 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) COLORADO

SOURCE RIVER - IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 22 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/25 - 06/09, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0500	*
BARIUM (BA)	0.1000	
BISMUTH (BI)	0.0300	*
CADMIUM (CD)	0.0100	*
CHROMIUM (CR)	0.0050	*
COBALT (CO)	0.0100	*
COPPER (CU)	0.04000	
IRON (FE)	0.0100	*
LEAD (PB)	0.0300	*
MANGANESE (MN)	0.0100	*
MOLYBEDENUM (MO)	0.0100	*
NICKEL (NI)	0.0100	*
TIN (SN)	0.0100	*
VANADIUM (V)	0.0100	*
ZINC (ZN)	0.13	*
BERYLLIUM (BE)	0.00300	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		051.0	
CHLORIDES	(CL)	183.0	
FLUORIDE	(F)	00.7	
HARDNESS		236.	
MAGNESIUM	(MG)	026.00	
NITRATES	(NO3)	00.4	*
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	072.00	
SULFATES	(SO4)	088.0	
TOT.DISS.SOLIDS		0750.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	016.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0146.
CARBON ALCOHOL EXTRACTABLES	0134.

* LESS THAN VALUE SHOWN

CITY-SAN ANTONIO (POP. 587,718) STATE-TEX. 74100

OWNERSHIP PUBLIC

POPULATION SERVED 517 THOUSAND

RIVER BASIN (MAJOR)

(MINOR)

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY 323 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

12/13 - 12/24, 1961

RESULTS BY SPECTOGRAPHIC ANALYSES		RESULTS BY CHEMICAL AND PHYSICAL ANALYSES		
ANTIMONY	(SB)	ABS		
BARIUM	(BA)	ARSENIC	(AS)	
BISMUTH	(BI)	BORON	(B)	
CADMIUM	(CD)	CALCIUM		
CHROMIUM	(CR)	CHLORIDES	(CL)	010.0
COBALT	(CO)	FLUORIDE	(F)	
COPPER	(CU)	HARDNESS		
IRON	(FE)	MAGNESIUM	(MG)	
LEAD	(PB)	NITRATES	(NO3)	05.6
MANGANESE	(MN)	SELENIUM	(SE)	
MOLYBEDENUM	(MO)	SODIUM	(NA)	
NICKEL	(NI)	SULFATES	(SO4)	030.0
TIN	(SN)	TOT.DISS.SOLIDS		0297.0
VANADIUM	(V)	PH		
ZINC	(ZN)	COLOR	(S.U.)	
BERYLLIUM	(BE)	TEMP. F (RAW WATER)		
		TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES	UUC/1	RESULTS BY CARBON ADSORPTION METHOD (CAM)	PPB
ALPHA ACTIVITY			
DISSOLVED		CARBON CHLOROFORM EXTRACTABLES	0005.
SUSPENDED			
BETA ACTIVITY			
DISSOLVED	016.0	CARBON ALCOHOL EXTRACTABLES	0055.
SUSPENDED	03.0 *		

* LESS THAN VALUE SHOWN

CITY-WACO (POP. 97,805) STATE-TEX. 74110

OWNERSHIP PUBLIC

POPULATION SERVED 100 THOUSAND

RIVER BASIN (MAJOR) WESTERN GULF (MINOR) BRAZOS

SOURCE RIVER LAKE RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 30 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/30 - 06/14, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0300	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0070	*
CHROMIUM (CR)	0.0030	*
COBALT (CO)	0.0070	*
COPPER (CU)	0.00300	
IRON (FE)	0.0070	*
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0070	*
MOLYBEDENUM (MO)	0.0070	*
NICKEL (NI)	0.0070	*
TIN (SN)	0.0070	*
VANADIUM (V)	0.0070	*
ZINC (ZN)	0.07	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.100
ARSENIC	(AS)	0.010 *
BORON	(B)	0.100
CALCIUM		053.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.4
HARDNESS		146.
MAGNESIUM	(MG)	003.40
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	020.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	021.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0106.
CARBON ALCOHOL EXTRACTABLES	0112.

* LESS THAN VALUE SHOWN

CITY-WICHITA FALLS (POP. 101,724) STATE-TEX. 74120

OWNERSHIP PUBLIC

POPULATION SERVED 101 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST - LOWER MISSISSIPPI (MINOR) UPPER RED RIVER

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 24.5MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/29 - 06/13, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.02000	
IRON (FE)	0.0200	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.05	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.100	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.130	
CALCIUM		010.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.5	
HARDNESS		064.	
MAGNESIUM	(MG)	009.70	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	037.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1	
ALPHA ACTIVITY		
DISSOLVED		
SUSPENDED		
BETA ACTIVITY		
DISSOLVED	015.0	
SUSPENDED	03.0	*

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0043.
CARBON ALCOHOL EXTRACTABLES	0078.

* LESS THAN VALUE SHOWN

REGION EIGHT

Colorado
Idaho
Montana
Utah
Wyoming

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CITY-DENVER STATE-COLO. 81011

(POP. 493,887)

INFILTRATION GALLERY

OWNERSHIP PUBLIC

POPULATION SERVED 670 THOUSAND

RIVER BASIN (MAJOR) MISSOURI RIVER

(MINOR) SOUTH PLATTE & UPPER COLORADO

SOURCE IMPOUNDED RESERVOIRS

RAW WATER CAPACITY RANGE 450,000 + A.F.

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 5 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 5

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/13 - 07/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200
BARIUM	(BA)	0.0060 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0060 *
COPPER	(CU)	0.01600
IRON	(FE)	0.0100
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0200
MOLYBEDENUM	(MO)	0.0060 *
NICKEL	(NI)	0.0060 *
TIN	(SN)	0.0060 *
VANADIUM	(V)	0.0060 *
ZINC	(ZN)	0.06 *
BERYLLIUM	(BE)	0.00100 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.070	
CALCIUM		027.0	
CHLORIDES	(CL)	031.0	
FLUORIDE	(F)	01.3	
HARDNESS		116.	
MAGNESIUM	(MG)	012.00	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	020.00	
SULFATES	(SO4)	039.0	
TOT. DISS. SOLIDS		0196.0	
PH			
COLOR	(S.U.)	05.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.40	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0052.
CARBON ALCOHOL EXTRACTABLES	0121.

* LESS THAN VALUE SHOWN

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CITY-DENVER (POP. 493,887) STATE-COLO. 81012

KASSLER PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 670 THOUSAND

RIVER BASIN (MAJOR) MISSOURI RIVER (MINOR) SOUTH PLATTE & UPPER COLORADO

SOURCE IMPOUNDED RESERVOIRS

RAW WATER CAPACITY RANGE 450,000 + A.F.

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 45 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 15

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/13 - 06/24, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0080	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.00600	
IRON (FE)	0.0400	
LEAD (PB)	0.0080	*
MANGANESE (MN)	0.0040	*
MOLYBEDENUM (MO)	0.0040	*
NICKEL (NI)	0.0040	*
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.04	*
BERYLLIUM (BE)	0.00080	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.060	
ARSENIC	(AS)	0.010	
BORON	(B)	0.130	
CALCIUM		011.0	
CHLORIDES	(CL)	025.0	
FLUORIDE	(F)	01.0	
HARDNESS		088.	
MAGNESIUM	(MG)	009.70	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	017.00	
SULFATES	(SO4)	034.0	
TOT. DISS. SOLIDS		0156.0	
PH			
COLOR	(S.U.)	20.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.60	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0046.
CARBON ALCOHOL EXTRACTABLES	0096.

* LESS THAN VALUE SHOWN

CITY-DENVER STATE-COLO. 81013

(POP. 493,887)
N.MARSTON LAKE PLT.

OWNERSHIP PUBLIC

POPULATION SERVED 670 THOUSAND

RIVER BASIN (MAJOR) MISSOURI RIVER (MINOR) SOUTH PLATTE & UPPER COLORADO

SOURCE IMPOUNDED RESERVOIRS RAW WATER CAPACITY RANGE 450,000 + A.F.

TREATMENT NATURAL SEDIMENTATION, PURIFICATION & DISINFECTION

DESIGN CAPACITY 160 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 37

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/12 - 06/28, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0200	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0050	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0050	*
COPPER	(CU)	0.01000	
IRON	(FE)	0.0200	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	0.0050	*
MOLYBEDENUM	(MO)	0.0050	*
NICKEL	(NI)	0.0050	*
TIN	(SN)	0.0050	*
VANADIUM	(V)	0.0050	*
ZINC	(ZN)	0.05	*
BERYLLIUM	(BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.080	
CALCIUM		026.0	
CHLORIDES	(CL)	035.0	
FLUORIDE	(F)	01.2	
HARDNESS		116.	
MAGNESIUM	(MG)	013.00	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	022.00	
SULFATES	(SO4)	044.0	
TOT.DISS.SOLIDS		0202.0	
PH			
COLOR	(S.U.)	15.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	01.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0045.
CARBON ALCOHOL EXTRACTABLES	0099.

* LESS THAN VALUE SHOWN

CITY-DENVER STATE-COLO. 81014

(POP. 493,887)
S.MARSTON LAKE PLT.

OWNERSHIP PUBLIC

POPULATION SERVED 670 THOUSAND

RIVER BASIN (MAJOR) MISSOURI RIVER

(MINOR) SOUTH PLATTE & UPPER COLORADO

SOURCE IMPOUNDED RESERVOIRS

RAW WATER CAPACITY RANGE 450,000 / A.F.

TREATMENT NATURAL SEDIMENTATION, PURIFICATION & DISINFECTION

DESIGN CAPACITY 21 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 8

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/12 - 06/27, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.01000	
IRON (FE)	0.0200	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.10	
BERYLLIUM (BE)	0.00100	*

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.080	
CALCIUM		024.0	
CHLORIDES	(CL)	035.0	
FLUORIDE	(F)	01.1	
HARDNESS		108.	
MAGNESIUM	(MG)	012.00	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	022.00	
SULFATES	(SO4)	041.0	
TOT.DISS.SOLIDS		0202.0	
PH			
COLOR	(S.U.)	15.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.80	

RESULTS BY
RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0043.
CARBON ALCOHOL EXTRACTABLES	0089.

* LESS THAN VALUE SHOWN

CITY-DENVER (POP. 493,887) STATE-COLO. 81015

MOFFAT PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 670 THOUSAND

RIVER BASIN (MAJOR) COLORADO RIVER (MINOR) UPPER COLORADO

SOURCE IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 50,000 + A.F.

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 150 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 35

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

06/12 - 06/28, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0090 *
BARIUM	(BA)	0.0020 *
BISMUTH	(BI)	0.0050 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0009 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00900
IRON	(FE)	0.0090
LEAD	(PB)	0.0050 *
MANGANESE	(MN)	0.0020 *
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.02 *
BERYLLIUM	(BE)	0.00050 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.080
CALCIUM		013.0
CHLORIDES	(CL)	006.0
FLUORIDE	(F)	01.0
HARDNESS		044.
MAGNESIUM	(MG)	002.90
NITRATES	(NO3)	00.0
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	002.00
SULFATES	(SO4)	020.0
TOT.DISS.SOLIDS		0075.0
PH		
COLOR	(S.U.)	15.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.80

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0044.

CARBON ALCOHOL EXTRACTABLES 0084.

* LESS THAN VALUE SHOWN

CITY-PUEBLO STATE-COLO. 81021

(POP. 91,181)

NORTH SIDE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 42 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST - LOWER MISSISSIPPI (MINOR) UPPER ARKANSAS

SOURCE RIVER

RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/03 - 01/19, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.000
ARSENIC	(AS)	0.000
BORON	(B)	
CALCIUM		207.0
CHLORIDES	(CL)	014.0
FLUORIDE	(F)	00.9
HARDNESS		312.0
MAGNESIUM	(MG)	026.0
NITRATES	(NO3)	03.6
SELENIUM	(SE)	0.0005*
SODIUM	(NA)	042.0
SULFATES	(SO4)	126.0
TOT.DISS.SOLIDS		0416.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.00

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES	0036.
CARBON ALCOHOL EXTRACTABLES	0154.

* LESS THAN VALUE SHOWN

CITY-PUEBLO STATE-COLO. 81022

(POP. 91,181)

SOUTH SIDE PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 48 THOUSAND

RIVER BASIN (MAJOR) SOUTHWEST-LOWER MISSISSIPPI (MINOR) UPPER ARKANSAS

SOURCE RIVER RAW WATER CAPACITY RANGE

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/03 - 01/17, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)
BARIUM	(BA)
BISMUTH	(BI)
CADMIUM	(CD)
CHROMIUM	(CR)
COBALT	(CO)
COPPER	(CU)
IRON	(FE)
LEAD	(PB)
MANGANESE	(MN)
MOLYBEDENUM	(MO)
NICKEL	(NI)
TIN	(SN)
VANADIUM	(V)
ZINC	(ZN)
BERYLLIUM	(BE)

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.000
ARSENIC	(AS)	0.000
BORON	(B)	
CALCIUM		199.0
CHLORIDES	(CL)	012.0
FLUORIDE	(F)	00.9
HARDNESS		336.0
MAGNESIUM	(MG)	033.00
NITRATES	(NO3)	03.4
SELENIUM	(SE)	0.005*
SODIUM	(NA)	044.0
SULFATES	(SO4)	130.0
TOT.DISS.SOLIDS		0590.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	01.00

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/l

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES	0014.
CARBON ALCOHOL EXTRACTABLES	0092.

* LESS THAN VALUE SHOWN

CITY=TWIN FALLS STATE=IDAHO 82011

(POP. 22,000 1)

CITY TREATMENT PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 22 THOUSAND

RIVER BASIN (MAJOR) COLUMBIA (MINOR) UPPER SNAKE RIVER

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 10 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 50

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/12 - 03/27, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0600	*
BARIUM (BA)	0.0100	*
BISMUTH (BI)	0.0300	*
CADMIUM (CD)	0.0200	*
CHROMIUM (CR)	0.0060	*
COBALT (CO)	0.0100	*
COPPER (CU)	0.00600	
IRON (FE)	0.1000	
LEAD (PB)	0.0300	*
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0200	
NICKEL (NI)	0.0100	*
TIN (SN)	0.0100	*
VANADIUM (V)	0.0500	
ZINC (ZN)	3.00	*
BERYLLIUM (BE)	0.00030	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.120	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		054.0	
CHLORIDES	(CL)	045.0	
FLUORIDE	(F)	00.8	
HARDNESS		296.	
MAGNESIUM	(MG)	039.00	
NITRATES	(NO3)	01.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	063.00	
SULFATES	(SO4)	106.0	
TOT.DISS.SOLIDS		0500.0	
PH			
COLOR	(S.U.)	10.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	12.00	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0022.

CARBON ALCOHOL EXTRACTABLES 0097.

* LESS THAN VALUE SHOWN

CITY-TWIN FALLS STATE-IDAHO 82012
(POP. 22,000)
JOHNSTON WELL

OWNERSHIP PUBLIC POPULATION SERVED 22 THOUSAND

RIVER BASIN (MAJOR) COLUMBIA (MINOR) UPPER SNAKE RIVER

SOURCE GROUND WATER RAW WATER CAPACITY RANGE

TREATMENT NONE

DESIGN CAPACITY 1.0 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 5

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/12 - 03/07, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0600	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0300	*
CADMIUM (CD)	0.0200	*
CHROMIUM (CR)	0.0060	*
COBALT (CO)	0.0100	*
COPPER (CU)	0.01000	
IRON (FE)	0.0200	
LEAD (PB)	0.0300	*
MANGANESE (MN)	0.0300	*
MOLYBEDENUM (MO)	0.0200	
NICKEL (NI)	0.0100	*
TIN (SN)	0.0100	*
VANADIUM (V)	0.0300	
ZINC (ZN)	3.00	*
BERYLLIUM (BE)	0.00050	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.080	
ARSENIC	(AS)	0.010	
BORON	(B)	0.210	
CALCIUM		056.0	
CHLORIDES	(CL)	050.0	
FLUORIDE	(F)	00.7	
HARDNESS		336.	
MAGNESIUM	(MG)	048.00	
NITRATES	(NO3)	02.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	076.00	
SULFATES	(SO4)	118.0	
TOT.DISS.SOLIDS		0550.0	
PH			
COLOR	(S.U.)	10.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	06.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0027.
CARBON ALCOHOL EXTRACTABLES	0163.

* LESS THAN VALUE SHOWN

CITY-BILLINGS STATE-MONT. 83010

(POP. 52,851)

CITY TREATMENT PLANT

OWNERSHIP PUBLIC

POPULATION SERVED 68 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) YELLOWSTONE

SOURCE RIVER RAW WATER CAPACITY RANGE 100 - 1,000 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 22 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/30 - 05/15, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0070	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0010	*
COBALT (CO)	0.0030	*
COPPER (CU)	0.00300	
IRON (FE)	0.0700	
LEAD (PB)	0.0070	*
MANGANESE (MN)	0.0100	
MOLYBEDENUM (MO)	0.0040	
NICKEL (NI)	0.0030	*
TIN (SN)	0.0030	*
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.70	*
BERYLLIUM (BE)	0.00007	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.050	
CALCIUM		015.0	
CHLORIDES	(CL)	007.1	
FLUORIDE	(F)	00.1	
HARDNESS		090.	
MAGNESIUM	(MG)	003.90	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	011.00	
SULFATES	(SO4)	057.0	
TOT.DISS.SOLIDS		0140.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0068.
CARBON ALCOHOL EXTRACTABLES	0171.

* LESS THAN VALUE SHOWN

CITY-BUTTE STATE-MONT. 83021

(POP. 27,877)

BASIN CREEK

OWNERSHIP PRIVATE

POPULATION SERVED 49 THOUSAND

RIVER BASIN (MAJOR) COLUMBIA & MISSOURI (MINOR) CLARK FORK OF COLUMBIA

SOURCE IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 1 - 10 MG

TREATMENT SEDIMENTATION & DISINFECTION

DESIGN CAPACITY 21 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 40

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/01 - 05/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100	*
BARIUM	(BA)	0.0020	*
BISMUTH	(BI)	0.0050	*
CADMIUM	(CD)	0.0030	*
CHROMIUM	(CR)	0.0010	*
COBALT	(CO)	0.0020	*
COPPER	(CU)	0.08000	
IRON	(FE)	0.2000	
LEAD	(PB)	0.0050	*
MANGANESE	(MN)	0.0400	
MOLYBEDENUM	(MO)	0.0040	
NICKEL	(NI)	0.0020	
TIN	(SN)	0.0020	*
VANADIUM	(V)	0.0020	*
ZINC	(ZN)	0.50	*
BERYLLIUM	(BE)	0.00005	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.120	
CALCIUM		016.0	
CHLORIDES	(CL)	005.0	
FLUORIDE	(F)	00.2	
HARDNESS		066.	
MAGNESIUM	(MG)	006.30	
NITRATES	(NO3)	00.2	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.50	
SULFATES	(SO4)	032.0	
TOT.DISS.SOLIDS		0125.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0057.
CARBON ALCOHOL EXTRACTABLES	0085.

* LESS THAN VALUE SHOWN

CITY-BUTTE (POP. 27,877) STATE-MONT. 83022
BIG HOLE

OWNERSHIP PRIVATE

POPULATION SERVED 49 THOUSAND

RIVER BASIN (MAJOR) MISSOURI (MINOR) UPPER MISSOURI

SOURCE RIVER, STREAM & CREEK

RAW WATER CAPACITY RANGE 10 - 100 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 14 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 60

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/01 - 00/00, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100	*
BARIUM	(BA)	0.0100	
BISMUTH	(BI)	0.0050	*
CADMIUM	(CD)	0.0030	*
CHROMIUM	(CR)	0.0010	*
COBALT	(CO)	0.0020	*
COPPER	(CU)	0.20000	
IRON	(FE)	0.2000	
LEAD	(PB)	0.0050	*
MANGANESE	(MN)	0.0400	
MOLYBEDENUM	(MO)	0.0020	*
NICKEL	(NI)	0.0040	
TIN	(SN)	0.0020	*
VANADIUM	(V)	0.0020	*
ZINC	(ZN)	0.50	*
BERYLLIUM	(BE)	0.00005	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.070	
CALCIUM		017.0	
CHLORIDES	(CL)	005.0	
FLUORIDE	(F)	00.2	
HARDNESS		056.	
MAGNESIUM	(MG)	003.40	
NITRATES	(NO3)	01.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	004.50	
SULFATES	(SO4)	010.0	
TOT.DISS.SOLIDS		0095.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0074.

CARBON ALCOHOL EXTRACTABLES 0078.

* LESS THAN VALUE SHOWN

CITY-SALT LAKE CITY (POP. 189,454) STATE-UTAH 84011

BIG COTTONWOOD

OWNERSHIP PUBLIC

POPULATION SERVED 298 THOUSAND

RIVER BASIN (MAJOR) GREAT BASIN (MINOR) GREAT SALT LAKE

SOURCE STREAM

RAW WATER CAPACITY RANGE 12.2 - 330.6 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 32 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 30.8

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/28 - 09/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0200	
BISMUTH (BI)	0.0080	*
CADMIUM (CD)	0.0040	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.00100	
IRON (FE)	0.0080	
LEAD (PB)	0.0080	*
MANGANESE (MN)	0.0040	*
MOLYBEDENUM (MO)	0.0040	
NICKEL (NI)	0.0040	*
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	*
ZINC (ZN)	0.04	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	*
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		039.0	
CHLORIDES	(CL)	008.0	
FLUORIDE	(F)	00.1	
HARDNESS		156.	
MAGNESIUM	(MG)	014.00	
NITRATES	(NO3)	01.4	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	003.50	
SULFATES	(SO4)	043.0	
TOT.DISS.SOLIDS		0180.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0020.
CARBON ALCOHOL EXTRACTABLES	0046.

* LESS THAN VALUE SHOWN

CITY-SALT LAKE CITY (POP. 189,454) STATE-UTAH 84012

CITY CREEK

OWNERSHIP PUBLIC

POPULATION SERVED 298 THOUSAND

RIVER BASIN (MAJOR) GREAT BASIN (MINOR) GREAT SALT LAKE

SOURCE STREAM

RAW WATER CAPACITY RANGE 3-67.3 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 15 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 11

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/27 - 09/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0050	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0050	*
COPPER (CU)	0.00100	
IRON (FE)	0.0050	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0050	*
MOLYBEDENUM (MO)	0.0050	*
NICKEL (NI)	0.0050	*
TIN (SN)	0.0050	*
VANADIUM (V)	0.0050	*
ZINC (ZN)	0.05	*
BERYLLIUM (BE)	0.00100	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	*
ARSENIC	(AS)	0.010	*
BORON	(B)	0.030	
CALCIUM		042.0	
CHLORIDES	(CL)	011.0	
FLUORIDE	(F)	00.1	
HARDNESS		206.	
MAGNESIUM	(MG)	025.00	
NITRATES	(NO3)	12.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	005.00	
SULFATES	(SO4)	011.0	
TOT.DISS.SOLIDS		0228.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES	0010.
CARBON ALCOHOL EXTRACTABLES	0034.

* LESS THAN VALUE SHOWN

CITY-SALT LAKE CITY (POP. 189,454) STATE-UTAH 84013

3RD E. PUMPING STA.

OWNERSHIP PUBLIC

POPULATION SERVED 298 THOUSAND

RIVER BASIN (MAJOR) GREAT BASIN (MINOR) GREAT SALT LAKE

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE 3- 8.6 MG

TREATMENT DISINFECTION

DESIGN CAPACITY 15 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 5

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/27 - 10/18, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0400 *
BARIUM	(BA)	0.0400
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0090 *
CHROMIUM	(CR)	0.0040 *
COBALT	(CO)	0.0090 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0090
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.0090 *
MOLYBEDENUM	(MO)	0.0090 *
NICKEL	(NI)	0.0090 *
TIN	(SN)	0.0090 *
VANADIUM	(V)	0.0090 *
ZINC	(ZN)	0.09 *
BERYLLIUM	(BE)	0.00200 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		075.0
CHLORIDES	(CL)	050.0
FLUORIDE	(F)	00.3
HARDNESS		248.
MAGNESIUM	(MG)	014.00
NITRATES	(NO3)	09.9
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	025.00
SULFATES	(SO4)	082.0
TOT.DISS.SOLIDS		0400.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0005.
CARBON ALCOHOL EXTRACTABLES	0046.

* LESS THAN VALUE SHOWN

CITY-SALT LAKE CITY STATE-UTAH 84014
(POP. 189,454)
15TH E. PUMPING STA.

OWNERSHIP PUBLIC
POPULATION SERVED 298 THOUSAND
RIVER BASIN (MAJOR) GREAT BASIN (MINOR) GREAT SALT LAKE
SOURCE GROUND WATER RAW WATER CAPACITY RANGE .1 - 4.9 MG
TREATMENT NONE
DESIGN CAPACITY 3 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/28 - 09/14, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0500	*
BARIUM	(BA)	0.0130	*
BISMUTH	(BI)	0.0250	*
CADMIUM	(CD)	0.0130	*
CHROMIUM	(CR)	0.0050	*
COBALT	(CO)	0.0130	*
COPPER	(CU)	0.00300	
IRON	(FE)	0.0130	
LEAD	(PB)	0.0220	*
MANGANESE	(MN)	0.0130	*
MOLYBEDENUM	(MO)	0.0130	*
NICKEL	(NI)	0.0130	*
TIN	(SN)	0.0130	*
VANADIUM	(V)	0.0130	*
ZINC	(ZN)	0.13	*
BERYLLIUM	(BE)	0.00250	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.080	
CALCIUM		081.0	
CHLORIDES	(CL)	041.0	
FLUORIDE	(F)	00.2	
HARDNESS		366.	
MAGNESIUM	(MG)	040.00	
NITRATES	(NO3)	00.5	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	023.00	
SULFATES	(SO4)	141.0	
TOT.DISS.SOLIDS		0440.0	
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0007.

CARBON ALCOHOL EXTRACTABLES 0044.

* LESS THAN VALUE SHOWN

CITY-SALT LAKE CITY (POP. 189,454) STATE-UTAH 84015

LITTLE COTTONWOOD

OWNERSHIP PUBLIC

POPULATION SERVED 298 THOUSAND

RIVER BASIN (MAJOR) GREAT BASIN (MINOR) GREAT SALT LAKE

SOURCE STREAM, IMPOUNDED RESERVOIR RAW WATER CAPACITY RANGE 6.2 - 399 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 100 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 29.6

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

08/28 - 09/10, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300 *
BARIUM	(BA)	0.0080
BISMUTH	(BI)	0.0200 *
CADMIUM	(CD)	0.0080 *
CHROMIUM	(CR)	0.0030 *
COBALT	(CO)	0.0080 *
COPPER	(CU)	0.00200
IRON	(FE)	0.0080
LEAD	(PB)	0.0200 *
MANGANESE	(MN)	0.0080 *
MOLYBEDENUM	(MO)	0.0080 *
NICKEL	(NI)	0.0080 *
TIN	(SN)	0.0080 *
VANADIUM	(V)	0.0080 *
ZINC	(ZN)	0.08 *
BERYLLIUM	(BE)	0.00200 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010 *
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		038.0
CHLORIDES	(CL)	013.0
FLUORIDE	(F)	00.3
HARDNESS		132.
MAGNESIUM	(MG)	008.70
NITRATES	(NO3)	04.6
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	005.00
SULFATES	(SO4)	042.0
TOT.DISS.SOLIDS		0182.0
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0056.
CARBON ALCOHOL EXTRACTABLES	0126.

* LESS THAN VALUE SHOWN

REGION NINE

Alaska
Arizona
California
Hawaii
Nevada
Oregon
Washington
Guam
American Samoa

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CITY-PHOENIX STATE-ARIZ. 92011

(POP. 439,170)
SAMPLING POINT NO.1

OWNERSHIP PUBLIC

POPULATION SERVED 500 THOUSAND

RIVER BASIN (MAJOR) COLORADO RIVER (MINOR) GILA RIVER

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 30 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/31 - 11/03, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)		
BARIUM	(BA)	0.0700	
BISMUTH	(BI)	0.0090	*
CADMIUM	(CD)	0.0020	
CHROMIUM	(CR)	0.0040	*
COBALT	(CO)	0.0040	*
COPPER	(CU)	0.00900	*
IRON	(FE)	0.0050	
LEAD	(PB)	0.0040	*
MANGANESE	(MN)	0.0009	*
MOLYBDENUM	(MO)	0.0220	*
NICKEL	(NI)	0.0040	*
TIN	(SN)		
VANADIUM	(V)	0.0040	*
ZINC	(ZN)	0.01	
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		048.0	
CHLORIDES	(CL)	068.0	
FLUORIDE	(F)	01.1	
HARDNESS		158.	
MAGNESIUM	(MG)	009.00	
NITRATES	(NO3)	03.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	071.00	
SULFATES	(SO4)	067.0	
TOT.DISS.SOLIDS		0421.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0124.
CARBON ALCOHOL EXTRACTABLES	0328.

* LESS THAN VALUE SHOWN

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CITY-PHOENIX STATE-ARIZ. 92012

(POP. 439,170)
SAMPLING POINT NO.2

OWNERSHIP PUBLIC POPULATION SERVED 500 THOUSAND

RIVER BASIN (MAJOR) COLORADO RIVER (MINOR) GILA RIVER

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/31 - 11/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.0810	
BISMUTH (BI)	0.0130	*
CADMIUM (CD)	0.0030	*
CHROMIUM (CR)	0.0060	*
COBALT (CO)	0.0060	*
COPPER (CU)	0.01300	*
IRON (FE)	0.0060	
LEAD (PB)	0.0060	*
MANGANESE (MN)	0.0010	*
MOLYBEDENUM (MO)	0.0320	*
NICKEL (NI)	0.0060	*
TIN (SN)		
VANADIUM (V)	0.0060	*
ZINC (ZN)	0.02	
BERYLLIUM (BE)	0.00016	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.050	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.210	
CALCIUM		049.0	
CHLORIDES	(CL)	189.0	
FLUORIDE	(F)	00.5	
HARDNESS		222.	
MAGNESIUM	(MG)	025.00	
NITRATES	(NO3)	02.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	138.00	
SULFATES	(SO4)	065.0	
TOT.DISS.SOLIDS		0614.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0037.
CARBON ALCOHOL EXTRACTABLES	0150.

* LESS THAN VALUE SHOWN

CITY-PHOENIX STATE-ARIZ. 92013

(POP. 439,170)
SAMPLING POINT NO.3

OWNERSHIP PUBLIC

POPULATION SERVED 500 THOUSAND

RIVER BASIN (MAJOR) COLORADO RIVER (MINOR) GILA RIVER

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/31 - 11/12, 1962

RESULTS BY
SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)		
BARIUM (BA)	0.1230	
BISMUTH (BI)	0.0160	*
CADMIUM (CD)	0.0030	*
CHROMIUM (CR)	0.0080	*
COBALT (CO)	0.0080	*
COPPER (CU)	0.01600	*
IRON (FE)	0.0660	
LEAD (PB)	0.0080	*
MANGANESE (MN)	0.0020	*
MOLYBEDENUM (MO)	0.0410	*
NICKEL (NI)	0.0080	*
TIN (SN)		
VANADIUM (V)	0.0080	*
ZINC (ZN)	0.20	
BERYLLIUM (BE)	0.00020	*

RESULTS BY
CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.620	
CALCIUM		086.0	
CHLORIDES	(CL)	605.0	
FLUORIDE	(F)	00.6	
HARDNESS		276.	
MAGNESIUM	(MG)	015.00	
NITRATES	(NO3)	20.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	372.00	
SULFATES	(SO4)	205.0	
TOT.DISS.SOLIDS		1739.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY
RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY
CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES	0012.
CARBON ALCOHOL EXTRACTABLES	0189.

* LESS THAN VALUE SHOWN

CITY-PHOENIX STATE-ARIZ. 92014

(POP. 439,170)
SAMPLING POINT NO.4

OWNERSHIP PUBLIC POPULATION SERVED 500 THOUSAND

RIVER BASIN (MAJOR) COLORADO RIVER (MINOR) GILA RIVER

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION AND DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES ON A COMPOSITE SAMPLE OF FINISHED WATER

10/31 - 11/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	
BARIUM	(BA)	0.0680
BISMUTH	(BI)	0.0170 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0080 *
COBALT	(CO)	0.0080 *
COPPER	(CU)	0.01700 *
IRON	(FE)	0.0300
LEAD	(PB)	0.0080 *
MANGANESE	(MN)	0.0020 *
MOLYBEDENUM	(MO)	0.0203
NICKEL	(NI)	0.0080 *
TIN	(SN)	
VANADIUM	(V)	0.0080 *
ZINC	(ZN)	0.02
BERYLLIUM	(BE)	0.00020 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.140
ARSENIC	(AS)	0.010 *
BORON	(B)	0.120
CALCIUM		099.0
CHLORIDES	(CL)	270.0
FLUORIDE	(F)	00.5
HARDNESS		270.
MAGNESIUM	(MG)	008.50
NITRATES	(NO3)	99.8
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	077.00
SULFATES	(SO4)	135.0
TOT.DISS.SOLIDS		1069.0
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0009.

CARBON ALCOHOL EXTRACTABLES 0159.

* LESS THAN VALUE SHOWN

CITY-PHOENIX STATE-ARIZ. 92015

(POP. 439,170)
SAMPLING POINT NO.5

OWNERSHIP PUBLIC

POPULATION SERVED 500 THOUSAND

RIVER BASIN (MAJOR) COLORADO (MINOR) GILA RIVER

SOURCE RIVER

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/31 - 11/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)		
BARIUM	(BA)	0.0140	
BISMUTH	(BI)	0.0120	*
CADMIUM	(CD)	0.0020	*
CHROMIUM	(CR)	0.0060	*
COBALT	(CO)	0.0060	*
COPPER	(CU)	0.01100	*
IRON	(FE)	0.0060	
LEAD	(PB)	0.0060	*
MANGANESE	(MN)	0.0010	*
MOLYBEDENUM	(MO)	0.0161	
NICKEL	(NI)	0.0060	*
TIN	(SN)		
VANADIUM	(V)	0.0060	*
ZINC	(ZN)	0.05	
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.010	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.180	
CALCIUM		067.0	
CHLORIDES	(CL)	180.0	
FLUORIDE	(F)	00.5	
HARDNESS		180.	
MAGNESIUM	(MG)	002.90	
NITRATES	(NO3)	92.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	059.00	
SULFATES	(SO4)	068.0	
TOT.DISS.SOLIDS		0759.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0005.
CARBON ALCOHOL EXTRACTABLES	0081.

* LESS THAN VALUE SHOWN

CITY-PHOENIX STATE-ARIZ. 92016

(POP. 439,170)
SAMPLING POINT NO.6

OWNERSHIP PUBLIC POPULATION SERVED 500 THOUSAND

RIVER BASIN (MAJOR) COLORADO RIVER (MINOR) GILA RIVER

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 90 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

10/31 - 11/11, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)		
BARIUM	(BA)	0.0700	
BISMUTH	(BI)	0.0110	*
CADMIUM	(CD)	0.0020	*
CHROMIUM	(CR)	0.0050	*
COBALT	(CO)	0.0050	*
COPPER	(CU)	0.03500	
IRON	(FE)	0.0300	
LEAD	(PB)	0.0050	*
MANGANESE	(MN)	0.0030	
MOLYBEDENUM	(MO)	0.0300	*
NICKEL	(NI)	0.0050	*
TIN	(SN)		
VANADIUM	(V)	0.0050	*
ZINC	(ZN)	0.02	
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040	
ARSENIC	(AS)	0.010	*
BORON	(B)	0.170	
CALCIUM		041.0	
CHLORIDES	(CL)	163.0	
FLUORIDE	(F)	00.5	
HARDNESS		146.	
MAGNESIUM	(MG)	011.00	
NITRATES	(NO3)	01.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	125.00	
SULFATES	(SO4)	060.0	
TOT.DISS.SOLIDS		0551.0	
PH			
COLOR	(S.U.)	00.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0075.
CARBON ALCOHOL EXTRACTABLES	0210.

* LESS THAN VALUE SHOWN

CITY-YUMA (POP. 23,974) STATE-ARIZ. 92040

OWNERSHIP PRIVATE (ARIZONA WATER CO.) POPULATION SERVED 35 THOUSAND

RIVER BASIN (MAJOR) LOWER COLORADO (MINOR)

SOURCE RIVER RAW WATER CAPACITY RANGE 3 - 15 MG

TREATMENT CHLORINE & ALUMINUM SULPHATE

DESIGN CAPACITY 16 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/01 - 05/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0800	*
BARIUM (BA)	0.0200	*
BISMUTH (BI)	0.0400	*
CADMIUM (CD)	0.0200	*
CHROMIUM (CR)	0.0080	*
COBALT (CO)	0.0200	*
COPPER (CU)	0.00200	*
IRON (FE)	0.2000	
LEAD (PB)	0.0400	*
MANGANESE (MN)	0.0300	*
MOLYBDENUM (MO)	0.0300	
NICKEL (NI)	0.0200	*
TIN (SN)	0.0200	*
VANADIUM (V)	0.0200	*
ZINC (ZN)	4.00	*
BERYLLIUM (BE)	0.00040	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070
ARSENIC	(AS)	0.010 *
BORON	(B)	0.240
CALCIUM		094.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.6
HARDNESS		364.
MAGNESIUM	(MG)	031.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	131.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0023.
CARBON ALCOHOL EXTRACTABLES	0120.

* LESS THAN VALUE SHOWN

CITY-DUNSMUIR (POP. 2,873) STATE-CAL. 93010

OWNERSHIP PRIVATE

POPULATION SERVED 4 THOUSAND

RIVER BASIN (MAJOR) CALIFORNIA (MINOR) KLAMATH RIVER

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT

DESIGN CAPACITY MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/24 - 05/08, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0090 *
BARIUM	(BA)	0.0020 *
BISMUTH	(BI)	0.0050 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0009 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00040
IRON	(FE)	0.0200
LEAD	(PB)	0.0050 *
MANGANESE	(MN)	0.0040 *
MOLYBDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0070
ZINC	(ZN)	0.50 *
BERYLLIUM	(BE)	0.00005 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.110
ARSENIC	(AS)	0.010 *
BORON	(B)	0.030
CALCIUM		008.8
CHLORIDES	(CL)	
FLUORIDE	(F)	00.0
HARDNESS		044.
MAGNESIUM	(MG)	005.30
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0011.

CARBON ALCOHOL EXTRACTABLES 0021.

* LESS THAN VALUE SHOWN

CITY-FRESNO (POP. 156,000) STATE-CAL. 93020

OWNERSHIP PUBLIC

POPULATION SERVED 164 THOUSAND

RIVER BASIN (MAJOR) SAN JOAQUIN RIVER (MINOR) KINGS RIVER

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT

DESIGN CAPACITY 190 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/01 - 05/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0080	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0030	*
COPPER (CU)	0.09000	
IRON (FE)	0.1000	
LEAD (PB)	0.0080	*
MANGANESE (MN)	0.0060	*
MOLYBEDENUM (MO)	0.0080	
NICKEL (NI)	0.0030	*
TIN (SN)	0.0030	*
VANADIUM (V)	0.0200	
ZINC (ZN)	0.80	*
BERYLLIUM (BE)	0.00008	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.060
CALCIUM		012.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.1
HARDNESS		063.
MAGNESIUM	(MG)	008.30
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	012.00
SULFATES	(SO4)	
TOT. DISS. SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0007.

CARBON ALCOHOL EXTRACTABLES 0056.

* LESS THAN VALUE SHOWN

CITY-LOS ANGELES STATE-CAL. 93031

(POP. 2,552,600)

L.A. RV. CONDUIT SYS.

POPULATION SERVED 2,550 THOUSAND

OWNERSHIP MUNICIPAL

RIVER BASIN (MAJOR) (MINOR)

SOURCE OWENS VALLEY AQUEDUCT WELLS RAW WATER CAPACITY RANGE

TREATMENT CHLORINATION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 17.4

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/20 - 04/05, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0300 *
BARIUM	(BA)	0.0050 *
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0070 *
CHROMIUM	(CR)	0.0030 *
COBALT	(CO)	0.0050 *
COPPER	(CU)	0.20000
IRON	(FE)	0.1000
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.1000
MOLYBEDENUM	(MO)	0.0200
NICKEL	(NI)	0.0050 *
TIN	(SN)	0.0050 *
VANADIUM	(V)	0.0050 *
ZINC	(ZN)	1.00 *
BERYLLIUM	(BE)	0.00010 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.019 *
BORON	(B)	0.480
CALCIUM		032.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.4
HARDNESS		128.
MAGNESIUM	(MG)	012.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	034.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	ppb
CARBON CHLOROFORM EXTRACTABLES	0038.
CARBON ALCOHOL EXTRACTABLES	0088.

* LESS THAN VALUE SHOWN

CITY-LOS ANGELES STATE-CAL. 93032
(POP. 2,552,600)
LOWER VAN NORMAN RES.

OWNERSHIP MUNICIPAL
POPULATION SERVED 2,550 THOUSAND
RIVER BASIN (MAJOR) (MINOR)
SOURCE OWENS VALLEY AQUEDUCT RAW WATER CAPACITY RANGE
TREATMENT CHLORINATION
DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 50.2

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/21 - 04/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0200 *
BARIUM	(BA)	0.0200
BISMUTH	(BI)	0.0100 *
CADMIUM	(CD)	0.0060 *
CHROMIUM	(CR)	0.0020 *
COBALT	(CO)	0.0040 *
COPPER	(CU)	0.08000
IRON	(FE)	1.0000
LEAD	(PB)	0.0100 *
MANGANESE	(MN)	0.0080 *
MOLYBEDENUM	(MO)	0.0200
NICKEL	(NI)	0.0040 *
TIN	(SN)	0.0040 *
VANADIUM	(V)	0.0060
ZINC	(ZN)	0.10 *
BERYLLIUM	(BE)	0.00010 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.020
BORON	(B)	0.500
CALCIUM		027.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00,5
HARDNESS		88.
MAGNESIUM	(MG)	012.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	032.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0038.
CARBON ALCOHOL EXTRACTABLES	0060.

* LESS THAN VALUE SHOWN

CITY-LOS ANGELES STATE-CAL. 93033
(POP. 2,552,600)
EAGLE ROCK RESERVOIR

OWNERSHIP MUNICIPAL
POPULATION SERVED 2,550 THOUSAND
RIVER BASIN (MAJOR) (MINOR)
SOURCE COLORADO RIVER VIA METROPOLITAN WATER DISTRICT
RAW WATER CAPACITY RANGE
TREATMENT CHLORINATION
DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 11.2

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/21 - 04/04, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0700 *
BARIUM	(BA)	0.0700
BISMUTH	(BI)	0.0400 *
CADMIUM	(CD)	0.0200 *
CHROMIUM	(CR)	0.0070 *
COBALT	(CO)	0.0100 *
COPPER	(CU)	0.03000
IRON	(FE)	0.4000
LEAD	(PB)	0.0400 *
MANGANESE	(MN)	0.0300 *
MOLYBEDENUM	(MO)	0.0300
NICKEL	(NI)	0.0100 *
TIN	(SN)	0.0100 *
VANADIUM	(V)	0.0100 *
ZINC	(ZN)	4.00 *
BERYLLIUM	(BE)	0.00040 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.210
CALCIUM		035.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.3
HARDNESS		168.
MAGNESIUM	(MG)	019.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	170.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0069.

CARBON ALCOHOL EXTRACTABLES 0128.

* LESS THAN VALUE SHOWN

CITY-LOS ANGELES (POP. 2,552,600) STATE-CAL. 93034

FOOT HILL PUMP STA.

OWNERSHIP MUNICIPAL

POPULATION SERVED 2,550 THOUSAND

RIVER BASIN (MAJOR)

(MINOR)

SOURCE OWENS VALLEY AQUEDUCT WELLS

RAW WATER CAPACITY RANGE

TREATMENT CHLORINATION, pH CORRECTION

DESIGN CAPACITY MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 0.7

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/21 - 04/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES			
ANTIMONY	(SB)	0.0200	*
BARIUM	(BA)	0.0200	
BISMUTH	(BI)	0.0100	*
CADMIUM	(CD)	0.0070	*
CHROMIUM	(CR)	0.0020	*
COBALT	(CO)	0.0050	*
COPPER	(CU)	0.20000	
IRON	(FE)	0.1000	
LEAD	(PB)	0.0100	*
MANGANESE	(MN)	0.0100	*
MOLYBEDENUM	(MO)	0.0200	
NICKEL	(NI)	0.0050	*
TIN	(SN)	0.0050	*
VANADIUM	(V)	0.0050	*
ZINC	(ZN)	1.00	*
BERYLLIUM	(BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES			
ABS		0.020	
ARSENIC	(AS)	0.010	
BORON	(B)	0.450	
CALCIUM		033.0	
CHLORIDES	(CL)		
FLUORIDE	(F)	00.6	
HARDNESS		144.	
MAGNESIUM	(MG)	015.00	
NITRATES	(NO3)		
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	031.00	
SULFATES	(SO4)		
TOT.DISS.SOLIDS			
PH			
COLOR	(S.U.)		
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)		

RESULTS BY RADIOCHEMICAL ANALYSES	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)	PPB
CARBON CHLOROFORM EXTRACTABLES	0051.
CARBON ALCOHOL EXTRACTABLES	0134.

* LESS THAN VALUE SHOWN

CITY-LOS ANGELES (POP. 2,552,600) STATE-CAL. 93035

SAN PEDRO STA.

OWNERSHIP MUNICIPAL

POPULATION SERVED 2,550 THOUSAND

RIVER BASIN (MAJOR) (MINOR)

SOURCE COLORADO RIVER VIA METROPOLITAN WATER DISTRICT

RAW WATER CAPACITY RANGE

TREATMENT CHLORINATION

DESIGN CAPACITY MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 1.2

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/21 - 04/05, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0400	*
BARIUM (BA)	0.0080	*
BISMUTH (BI)	0.0200	*
CADMIUM (CD)	0.0100	*
CHROMIUM (CR)	0.0040	*
COBALT (CO)	0.0080	*
COPPER (CU)	0.08000	
IRON (FE)	0.0800	
LEAD (PB)	0.0200	*
MANGANESE (MN)	0.0200	*
MOLYBEDENUM (MO)	0.0200	
NICKEL (NI)	0.0080	*
TIN (SN)	0.0080	*
VANADIUM (V)	0.0080	*
ZINC (ZN)	2.00	*
BERYLLIUM (BE)	0.00020	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010
BORON	(B)	0.390
CALCIUM		033.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.4
HARDNESS		156.
MAGNESIUM	(MG)	018.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	082.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0048.
CARBON ALCOHOL EXTRACTABLES	0125.

* LESS THAN VALUE SHOWN

CITY-LOS ANGELES STATE-CAL. 93036
(POP. 2,552,600)
MULLHOLLAN RESERVOIR

OWNERSHIP MUNICIPAL
POPULATION SERVED 2,550 THOUSAND
RIVER BASIN (MAJOR) (MINOR)
SOURCE OWENS VALLEY AQUEDUCT, WELLS, COLORADO RIVER VIA METROPOLITAN WATER DISTRICT
RAW WATER CAPACITY RANGE
TREATMENT CHLORINATION
DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 7.6

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

03/20 - 04/06, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0100	
BISMUTH (BI)	0.0100	*
CADMIUM (CD)	0.0060	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0040	*
COPPER (CU)	0.10000	
IRON (FE)	1.0000	
LEAD (PB)	0.0100	*
MANGANESE (MN)	0.0080	
MOLYBEDENUM (MO)	0.0100	
NICKEL (NI)	0.0040	*
TIN (SN)	0.0040	*
VANADIUM (V)	0.0040	
ZINC (ZN)	1.00	*
BERYLLIUM (BE)	0.00010	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.020
BORON	(B)	0.440
CALCIUM		027.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.5
HARDNESS		112.
MAGNESIUM	(MG)	011.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	030.00
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0042.
CARBON ALCOHOL EXTRACTABLES	0082.

* LESS THAN VALUE SHOWN

CITY-SACRAMENTO (POP. 191,667) STATE-CAL. 93090

OWNERSHIP PUBLIC

POPULATION SERVED 245 THOUSAND

RIVER BASIN (MAJOR) CALIFORNIA (MINOR) SACRAMENTO RIVER

SOURCE GROUND WATER - RIVER

RAW WATER CAPACITY RANGE 0 - MG

TREATMENT PURIFICATION AND DISINFECTION

DESIGN CAPACITY 150 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/15 - 03/02, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0100	*
BARIUM (BA)	0.0300	
BISMUTH (BI)	0.0040	*
CADMIUM (CD)	0.0030	*
CHROMIUM (CR)	0.0009	*
COBALT (CO)	0.0020	*
COPPER (CU)	0.00400	
IRON (FE)	0.0800	
LEAD (PB)	0.0040	*
MANGANESE (MN)	0.0400	
MOLYBDENUM (MO)	0.0030	
NICKEL (NI)	0.0020	
TIN (SN)	0.0020	*
VANADIUM (V)	0.0020	*
ZINC (ZN)	0.40	*
BERYLLIUM (BE)	0.00004	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.040
ARSENIC	(AS)	0.010 *
BORON	(B)	0.030
CALCIUM		018.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.2
HARDNESS		078.
MAGNESIUM	(MG)	007.81
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	004.00
SULFATES	(SO4)	
TOT. DISS. SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/l
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0069.
CARBON ALCOHOL EXTRACTABLES	0128.

* LESS THAN VALUE SHOWN

CITY-HILO (POP. 25,609) STATE-HAWAII 94010

OWNERSHIP PUBLIC

POPULATION SERVED 25 THOUSAND

RIVER BASIN (MAJOR) HAWAII (MINOR) WAILUKU RIVER

SOURCE STREAM

RAW WATER CAPACITY RANGE 0-1 MG

TREATMENT DISINFECTION

DESIGN CAPACITY 7 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

05/01 - 05/16, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0020 *
BARIUM	(BA)	0.0005 *
BISMUTH	(BI)	0.0010 *
CADMIUM	(CD)	0.0007
CHROMIUM	(CR)	0.0002 *
COBALT	(CO)	0.0005 *
COPPER	(CU)	0.02000
IRON	(FE)	0.2000
LEAD	(PB)	0.0100
MANGANESE	(MN)	0.0100
MOLYBEDENUM	(MO)	0.0005 *
NICKEL	(NI)	0.0020
TIN	(SN)	0.0005 *
VANADIUM	(V)	0.0010
ZINC	(ZN)	0.40
BERYLLIUM	(BE)	0.00001 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.020
CALCIUM		000.8
CHLORIDES	(CL)	005.6
FLUORIDE	(F)	00.0
HARDNESS		014.
MAGNESIUM	(MG)	002.90
NITRATES	(NO3)	01.6
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.20
SULFATES	(SO4)	
TOT.DISS.SOLIDS		0094.0
PH		
COLOR	(S.U.)	30.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	05.00 *

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES	0039.
CARBON ALCOHOL EXTRACTABLES	0075.

* LESS THAN VALUE SHOWN

CITY-RENO (POP. 51,470) STATE-NEV. 95010

OWNERSHIP PRIVATE

POPULATION SERVED 50 THOUSAND

RIVER BASIN (MAJOR) GREAT BASIN (MINOR) HUMBOLDT RIVER

SOURCE GROUND WATER - RIVER RAW WATER CAPACITY RANGE 0-1 MG

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 76 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

01/09 - 01/23, 1963

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)		
BARIUM	(BA)	0.0220	
BISMUTH	(BI)	0.0020	*
CADMIUM	(CD)	0.0040	*
CHROMIUM	(CR)	0.0040	
COBALT	(CO)	0.0090	*
COPPER	(CU)	0.00800	
IRON	(FE)	0.2550	
LEAD	(PB)	0.0040	*
MANGANESE	(MN)	0.0150	
MOLYBEDENU		[illegible]	*
NICKEL			
TIN			
VANADIUM		0.0040	*
ZINC	(ZN)	0.08	
BERYLLIUM	(BE)	0.00002	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020	
ARSENIC	(AS)		
BORON	(B)	0.040	
CALCIUM		012.0	
CHLORIDES	(CL)	005.0	
FLUORIDE	(F)	00.1	*
HARDNESS		048.	*
MAGNESIUM	(MG)	004.40	
NITRATES	(NO3)	00.0	
SELENIUM	(SE)	0.010	*
SODIUM	(NA)	007.00	
SULFATES	(SO4)	019.2	
TOT.DISS.SOLIDS		0088.0	
PH			
COLOR	(S.U.)	02.	
TEMP. F (RAW WATER)			
TURBIDITY	(S.U.)	00.00	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0033.

CARBON ALCOHOL EXTRACTABLES 0071.

* LESS THAN VALUE SHOWN

CITY-EUGENE (POP. 54,000) STATE-OREGON 96010

OWNERSHIP PUBLIC

POPULATION SERVED 90 THOUSAND

RIVER BASIN (MAJOR) COLUMBIA RIVER (MINOR) MCKENZIE - WILLAMETTE RIVERS

SOURCE RIVER

RAW WATER CAPACITY RANGE 5-63 MGD

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 65 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/26 - 05/11, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0080 *
BARIUM	(BA)	0.0050
BISMUTH	(BI)	0.0040 *
CADMIUM	(CD)	0.0020 *
CHROMIUM	(CR)	0.0008 *
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00800
IRON	(FE)	0.0500
LEAD	(PB)	0.0040 *
MANGANESE	(MN)	0.0030 *
MOLYBEDENUM	(MO)	0.0020 *
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.40 *
BERYLLIUM	(BE)	0.00040 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.020
ARSENIC	(AS)	0.010 *
BORON	(B)	0.040
CALCIUM		013.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.0
HARDNESS		036.
MAGNESIUM	(MG)	000.70
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.60
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0037.

CARBON ALCOHOL EXTRACTABLES 0066.

* LESS THAN VALUE SHOWN

CITY-BELLINGHAM (POP. 34,688) STATE-WASH. 97011

LAKE WHATCOM

OWNERSHIP PUBLIC

POPULATION SERVED 39 THOUSAND

RIVER BASIN (MAJOR) NOOKSACK

(MINOR) MIDDLE FORK OF NOOKSACK

SOURCE LAKE

RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT DISINFECTION

DESIGN CAPACITY 100 MGD

% MUNICIPAL SUPPLY FURNISHED BY PLANT 90

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/15 - 03/01, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0020 *
BARIUM	(BA)	0.0020
BISMUTH	(BI)	0.0010 *
CADMIUM	(CD)	0.0006 *
CHROMIUM	(CR)	0.0006
COBALT	(CO)	0.0004 *
COPPER	(CU)	0.01000
IRON	(FE)	0.0100
LEAD	(PB)	0.0020
MANGANESE	(MN)	0.0060
MOLYBEDENUM	(MO)	0.0004 *
NICKEL	(NI)	0.0004 *
TIN	(SN)	0.0004 *
VANADIUM	(V)	0.0004 *
ZINC	(ZN)	0.10 *
BERYLLIUM	(BE)	0.00001 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.070
ARSENIC	(AS)	0.010 *
BORON	(B)	0.050
CALCIUM		006.4
CHLORIDES	(CL)	001.5
FLUORIDE	(F)	00.2
HARDNESS		032.
MAGNESIUM	(MG)	004.00
NITRATES	(NO3)	01.8
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.20
SULFATES	(SO4)	003.3
TOT.DISS.SOLIDS		0032.5
PH		
COLOR	(S.U.)	00.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	00.00

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0050.
CARBON ALCOHOL EXTRACTABLES	0153.

* LESS THAN VALUE SHOWN

CITY-BELLINGHAM (POP. 34,688) STATE-WASH. 97012

LAKE PADDEN

OWNERSHIP PUBLIC

POPULATION SERVED 39 THOUSAND

RIVER BASIN (MAJOR) NOOKSACK (MINOR) MIDDLE FORK OF NOOKSACK

SOURCE LAKE

RAW WATER CAPACITY RANGE 20 MGD

TREATMENT DISINFECTION

DESIGN CAPACITY 10 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 10%

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/15 - 03/01, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0030 *
BARIUM	(BA)	0.0100
BISMUTH	(BI)	0.0020 *
CADMIUM	(CD)	0.0010 *
CHROMIUM	(CR)	0.0003 *
COBALT	(CO)	0.0006 *
COPPER	(CU)	0.06000
IRON	(FE)	0.3000
LEAD	(PB)	0.0100
MANGANESE	(MN)	0.0300
MOLYBEDENUM	(MO)	0.0006
NICKEL	(NI)	0.0020
TIN	(SN)	0.0006 *
VANADIUM	(V)	0.0010
ZINC	(ZN)	0.20 *
BERYLLIUM	(BE)	0.00002 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.100
CALCIUM		007.0
CHLORIDES	(CL)	003.9
FLUORIDE	(F)	00.2
HARDNESS		036.
MAGNESIUM	(MG)	004.20
NITRATES	(NO3)	00.8
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	006.00
SULFATES	(SO4)	010.7
TOT.DISS.SOLIDS		0052.5
PH		
COLOR	(S.U.)	19.
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	20.00

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0054.

CARBON ALCOHOL EXTRACTABLES 0146.

* LESS THAN VALUE SHOWN

CITY-PASCO (POP. 14,522) STATE-WASH. 97030

OWNERSHIP PUBLIC

POPULATION SERVED 17 THOUSAND

RIVER BASIN (MAJOR) PACIFIC NORTHWEST (MINOR) COLUMBIA

SOURCE RIVER RAW WATER CAPACITY RANGE UNLIMITED

TREATMENT PURIFICATION & DISINFECTION

DESIGN CAPACITY 21 MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

02/19 - 03/02, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY	(SB)	0.0100 *
BARIUM	(BA)	0.0600
BISMUTH	(BI)	0.0060 *
CADMIUM	(CD)	0.0030 *
CHROMIUM	(CR)	0.0100
COBALT	(CO)	0.0020 *
COPPER	(CU)	0.00100
IRON	(FE)	0.0100
LEAD	(PB)	0.0050 *
MANGANESE	(MN)	0.0050 *
MOLYBEDENUM	(MO)	0.0030
NICKEL	(NI)	0.0020 *
TIN	(SN)	0.0020 *
VANADIUM	(V)	0.0020 *
ZINC	(ZN)	0.60 *
BERYLLIUM	(BE)	0.00006 *

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.000
CALCIUM		025.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.4
HARDNESS		092.
MAGNESIUM	(MG)	007.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.50
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

	UUC/1
ALPHA ACTIVITY	
DISSOLVED	
SUSPENDED	
BETA ACTIVITY	
DISSOLVED	
SUSPENDED	

RESULTS BY CARBON ADSORPTION METHOD (CAM)

	PPB
CARBON CHLOROFORM EXTRACTABLES	0043.
CARBON ALCOHOL EXTRACTABLES	0115.

* LESS THAN VALUE SHOWN

CITY-SPOKANE (POP. 181,608) STATE-WASH. 97040

OWNERSHIP PUBLIC

POPULATION SERVED 182 THOUSAND

RIVER BASIN (MAJOR) COLUMBIA RIVER (MINOR) SPOKANE RIVER

SOURCE GROUND WATER

RAW WATER CAPACITY RANGE

TREATMENT DISINFECTION

DESIGN CAPACITY MGD % MUNICIPAL SUPPLY FURNISHED BY PLANT 100

CHEMICAL AND PHYSICAL ANALYSES
ON A COMPOSITE SAMPLE OF FINISHED WATER

04/25 - 05/12, 1962

RESULTS BY SPECTOGRAPHIC ANALYSES

ANTIMONY (SB)	0.0200	*
BARIUM (BA)	0.0080	
BISMUTH (BI)	0.0080	*
CADMIUM (CD)	0.0050	*
CHROMIUM (CR)	0.0020	*
COBALT (CO)	0.0030	*
COPPER (CU)	0.02000	
IRON (FE)	0.0800	
LEAD (PB)	0.0500	
MANGANESE (MN)	0.0060	*
MOLYBEDENUM (MO)	0.0050	
NICKEL (NI)	0.0030	*
TIN (SN)	0.0100	
VANADIUM (V)	0.0030	*
ZINC (ZN)	0.80	*
BERYLLIUM (BE)	0.00008	*

RESULTS BY CHEMICAL AND PHYSICAL ANALYSES

ABS		0.030
ARSENIC	(AS)	0.010 *
BORON	(B)	0.050
CALCIUM		032.0
CHLORIDES	(CL)	
FLUORIDE	(F)	00.0
HARDNESS		146.
MAGNESIUM	(MG)	016.00
NITRATES	(NO3)	
SELENIUM	(SE)	0.010 *
SODIUM	(NA)	003.60
SULFATES	(SO4)	
TOT.DISS.SOLIDS		
PH		
COLOR	(S.U.)	
TEMP. F (RAW WATER)		
TURBIDITY	(S.U.)	

RESULTS BY RADIOCHEMICAL ANALYSES

UUC/1

ALPHA ACTIVITY
DISSOLVED
SUSPENDED
BETA ACTIVITY
DISSOLVED
SUSPENDED

RESULTS BY CARBON ADSORPTION METHOD (CAM)

PPB

CARBON CHLOROFORM EXTRACTABLES 0008.

CARBON ALCOHOL EXTRACTABLES 0039.

* LESS THAN VALUE SHOWN

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